



WHANGAMATĀ AREA SCHOOL

Senior Course Handbook 2023

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INTRODUCTION

This Course Handbook provides you with information about the senior courses available at Whangamatā Area School for 2022.

Under the NCEA Change Programme, changes to courses and assessment will be phased in over five years, with new achievement standards at Levels 1, 2 and 3 in place by January 2025. The first phase of changes will be implemented from February 2023 for NCEA Level 1 subjects.

To choose your courses you should talk to your subject teachers, Heads of Department, Deans, Koru Teachers and Careers Staff to find what subjects are most suitable for you.

Ask yourself:

- *Do I have the ability to study this subject?*
- *Do I enjoy this subject?*
- *Do I have the pre-requisites I need to study this subject?*
- *Is this subject going to help me achieve my goals?*

COMPULSORY SUBJECTS

All Year 11, 12 and 13 students study at least FIVE subjects.

YEAR 11/NCEA LEVEL 1

- English
- Mathematics

YEAR 12/NCEA LEVEL 2

If you are intending to go on to further study at University, English is compulsory at Year 12. Otherwise English is highly recommended, but not compulsory.

YEAR 13/NCEA LEVEL 3

There are no compulsory subjects at Year 13.

However, to achieve the University Entrance qualification you must take at least three University Entrance Approved subjects.

COURSE FEES AND TRIPS

Please note: Some courses have fees for materials. You are expected to pay the fees before being given the course materials. Where courses have trips that have trip-dependent assessment requirements, please be aware that these trips are COMPULSORY.

PREREQUISITES

*There are **prerequisites** for some courses. A prerequisite is the minimum level of achievement that you must have reached before selecting the course as an option.*

STANDARDS AND ASSESSMENT

STANDARDS are parts of courses. Each standard is assessed and you can gain **credits**.

Achievement Standards can be assessed:

- internally (assignments in class; assignments for homework; projects; practical tasks) or
- externally (end of year exams or portfolios etc).

Unit Standards are assessed

- internally (assignments in class; assignments for homework; projects; practical tasks).

- AS = Achievement Standards

- US = Unit Standards

Achievement Standards and Unit Standards are worth **credits**. All of these credits count towards NCEA qualifications. All subjects at each level show the standards that may be included in 2023. You will be given a course outline showing the standards for each subject at the beginning of next year.

NCEA AND UNIVERSITY ENTRANCE

The qualifications students study towards are:

- NCEA Level One
- NCEA Level Two
- NCEA Level Three
- University Entrance

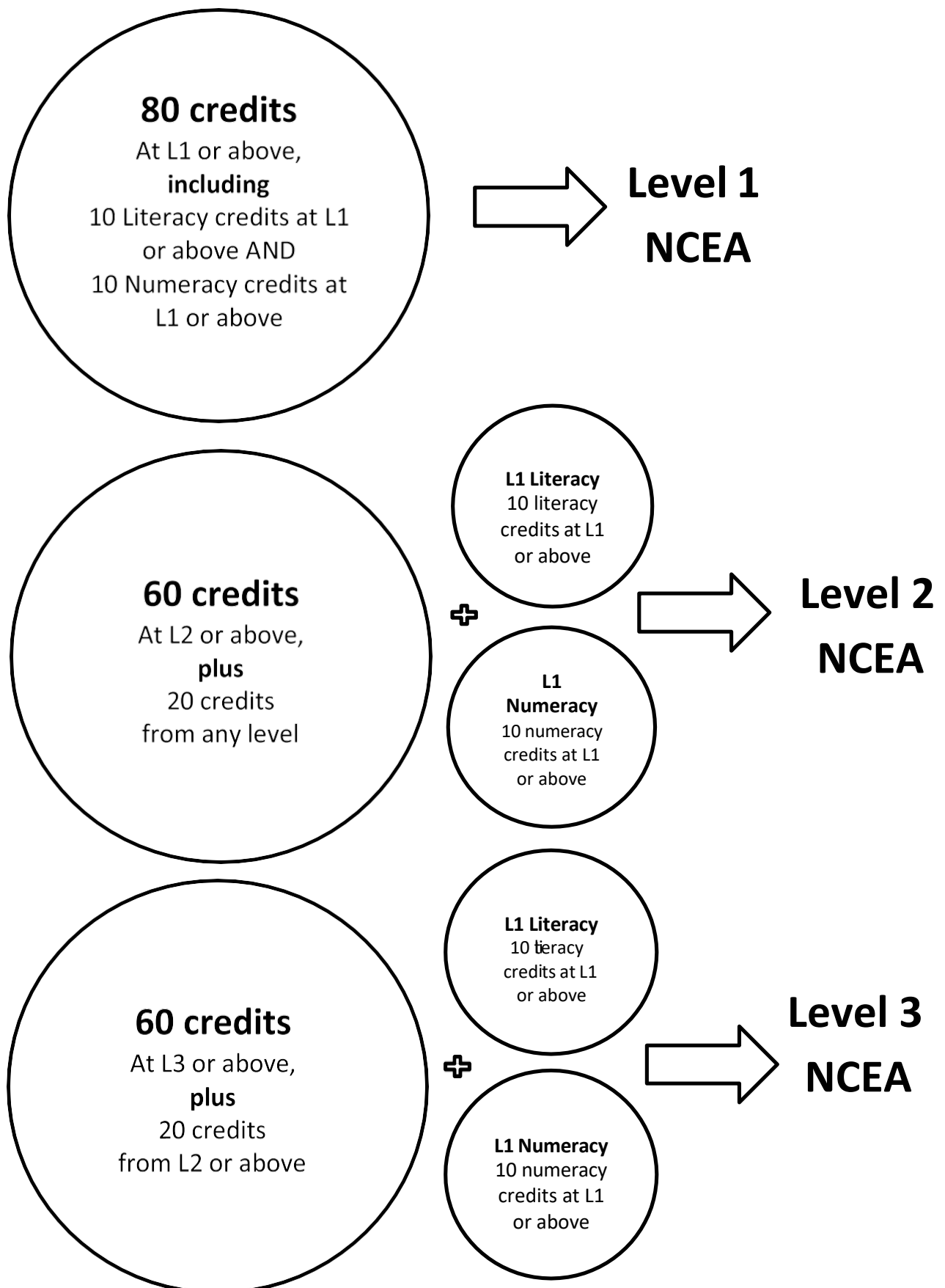
The requirements for these qualifications are detailed on pages six and seven.

GATEWAY WORK EXPERIENCE PROGRAMME

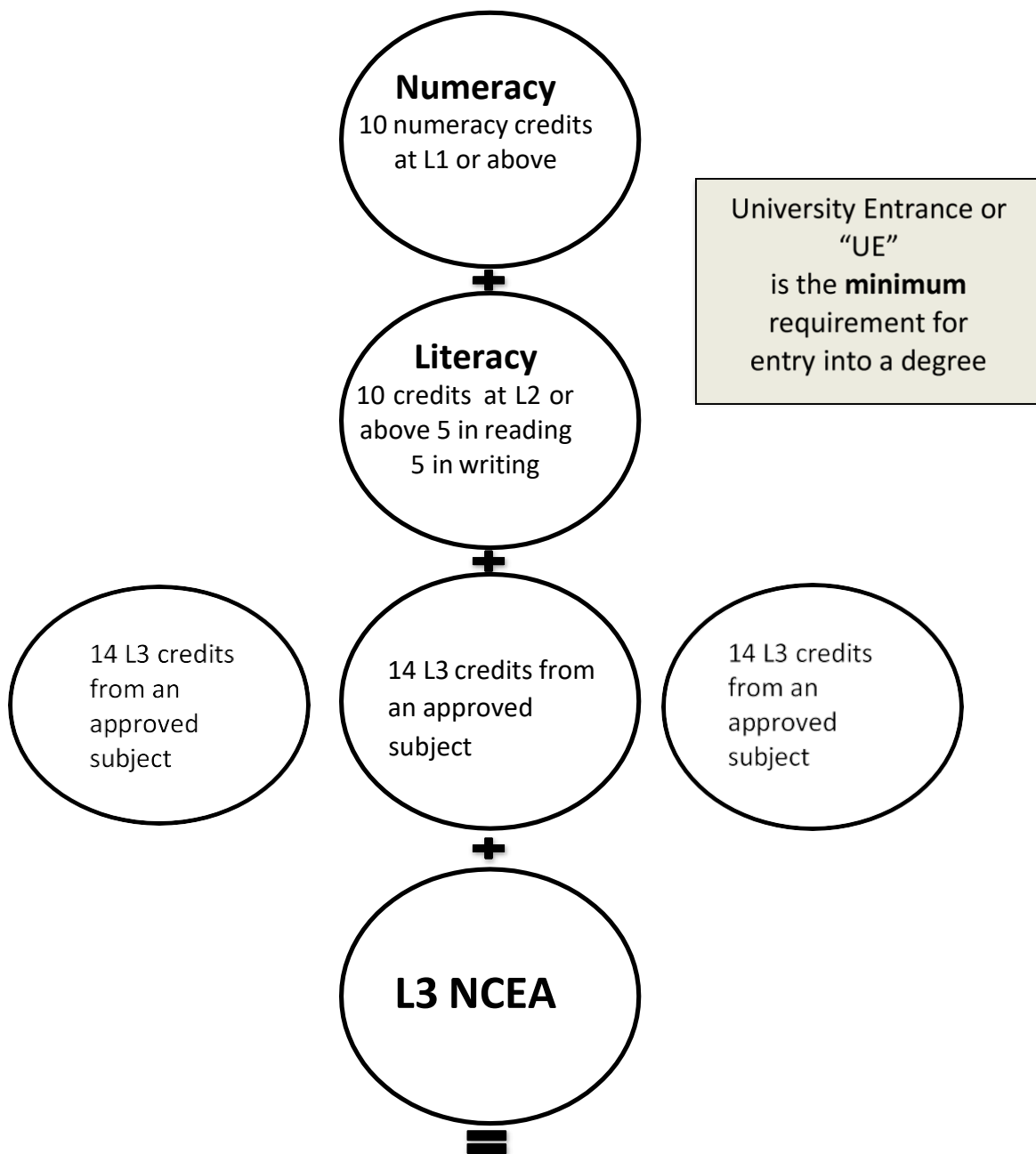
The Gateway Programme is an exciting opportunity for students to investigate or broaden their future career options by integrating school-based learning with structured learning in the workplace. The Gateway Programme provides students an opportunity to participate in structured workplace learning. Students who are likely to join Gateway include those interested in a particular Vocational Pathway and/or wish to learn work related skills. Students are placed with an employer for at least 10 days and complete a selection of unit standards as well as an individual programme of study. This course is funded by TEC and students **must gain a minimum of 20 credits**. Gateway is a classroom based subject. With the 20 sector related credits, students can work towards a Vocational Pathways Award which will be on the NZQA record of learning. The award will be in the sector a student has worked in, for example, a Vocational Pathway Award in Manufacturing. This is a real advantage when leaving school and looking for work or further study. Students with an excellent attendance record and Level 1 Literacy and Numeracy will be selected into this programme, based on a successful interview with our Gateway Coordinator.

Prerequisites: Application process/interview with Gateway Coordinator. Reliability and the ability to work independently with good time management skills. **Applications are now open for next year. Please see our Careers Centre for an application pack.**

How do I achieve Level 1, 2 and 3 NCEA?



How do I achieve University Entrance?



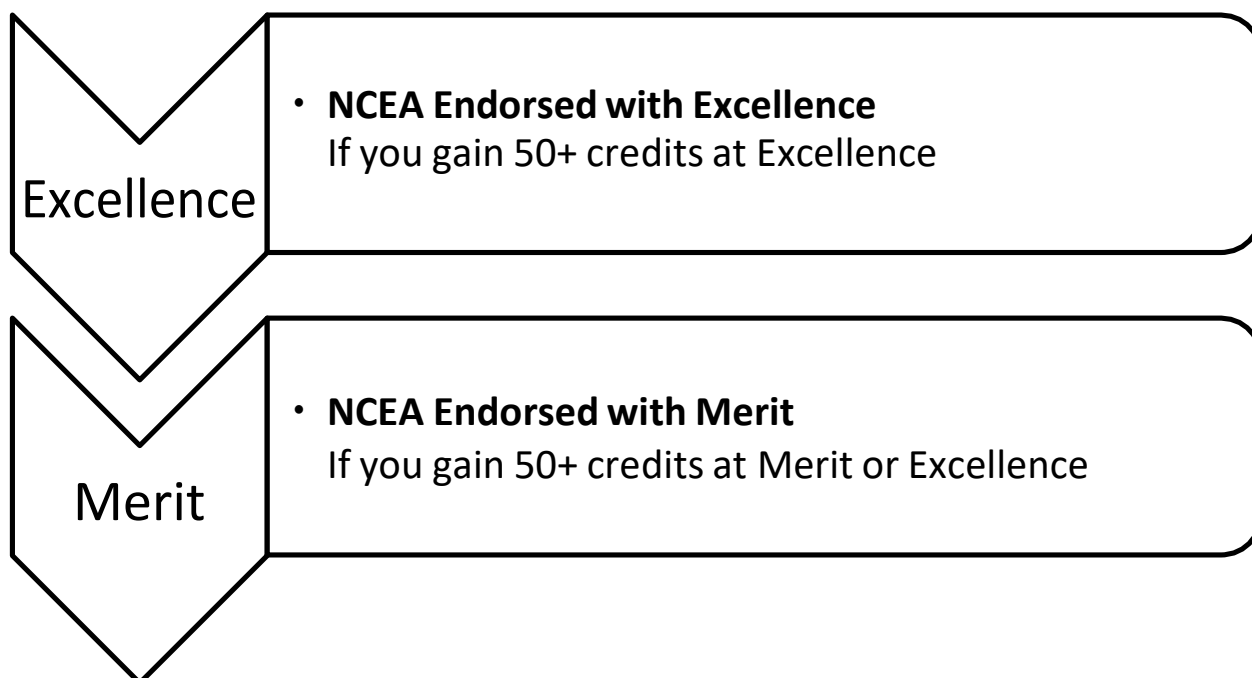
University Entrance

Whangamatā Area School – Level 3 Approved Subjects List

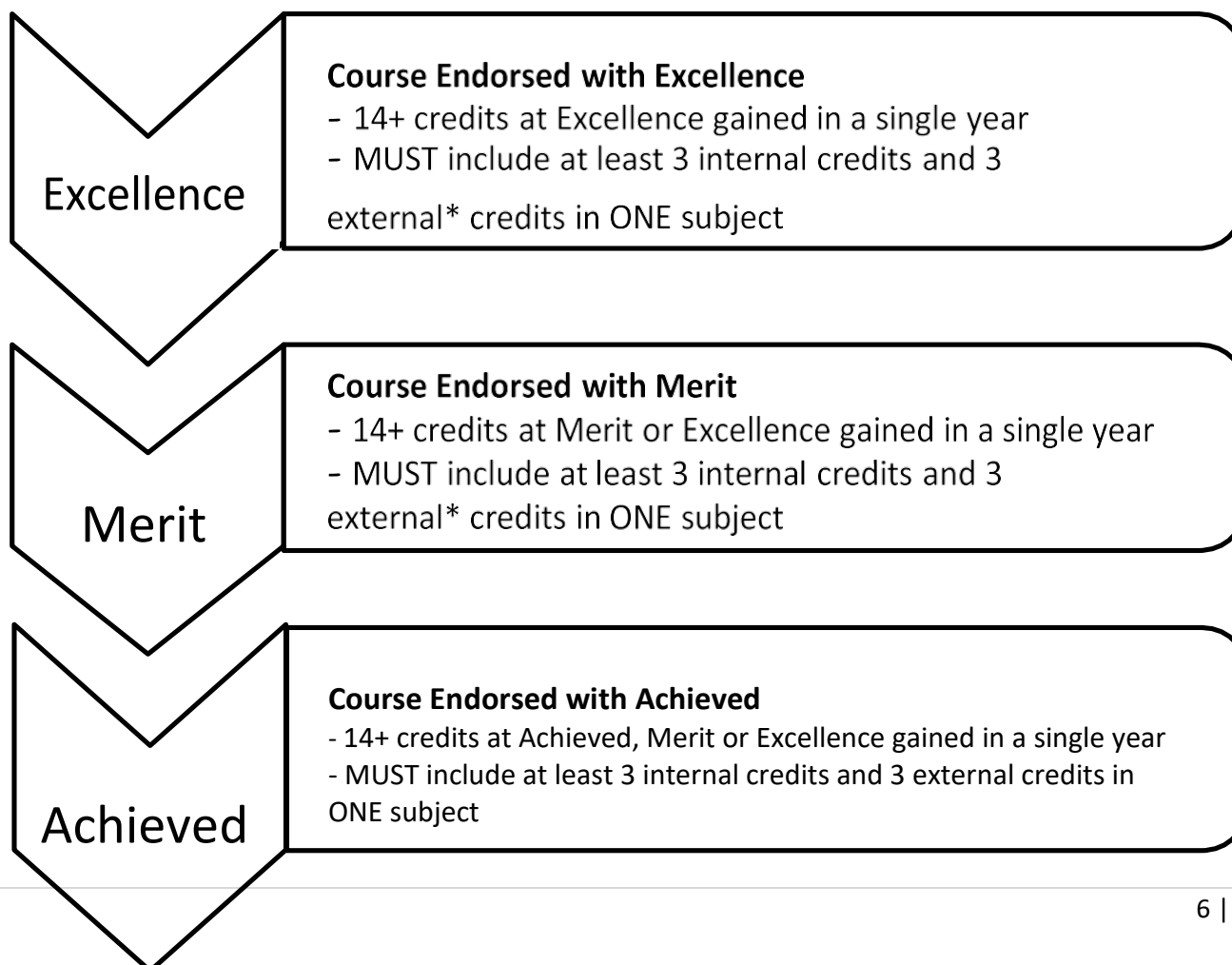
Art Painting
Art Photography
Biology
Chemistry
Digital Technology
Chemistry
Drama
English

Geography
Health Education
History
Mathematics
Physical Education
Physics

How do I achieve NCEA Level Endorsement?



How do I achieve NCEA Course Endorsement?



2023 SUBJECTS

c Compulsory Subject * University Approved Subject

	Y9	Y10	Y11	Y12	Y13
ART/NGA TOI	Art	Art	Art	Art Painting	Art Painting*
				Art Photography	Art Photography*
DRAMA/WHAKAARI	Drama	Drama	Drama	Drama	Drama*
ENGLISH/INGARIHI	English c	English c	English c	English	English*
MATHEMATICS/PANGARAU	Mathematics c	Mathematics c	Mathematics c	Mathematics	Mathematics*
MUSIC/PUORO	Music	Music	Music	Music	Music*
PHYSICAL EDUCATION/AKORANGA KOIRI	Health c	Health c	Health	Health	Health*
	Physical Education c	Physical Education c	Physical Education	Physical Education	Physical Education*
			Outdoor Education	Outdoor Education	Outdoor Education

2023 SUBJECTS CONT.

c Compulsory Subject * University Approved Subject

	Y9	Y10	Y11	Y12	Y13
SCIENCE/ PŪTAIAO	Science c	Science c	Science c	Biology	Biology*
				Chemistry	Chemistry*
				Physics	Physics*
SOCIAL SCIENCES/ TIKANGA A IWI	Social Studies c	Social Studies c	Geography	Geography	Geography*
			History	History	History*
MĀORI PERFORMING ARTS	Te Reo Māori c	Te Reo Māori	Māori Performing Arts	Māori Performing Arts	Māori Performing Arts
TECHNOLOGY/ HANGARAU	Digital Technology	Digital Technology	Digital Technology	Digital Technology	Digital Technology*
	Woodwork	Woodwork	Design & Build	Design & Build	Carpentry
	Food	Food	Food Technology	Food Technology /Hospitality	Food Technology/Hospitality
	Metalwork	Metalwork	Engineering	Engineering	Engineering
GATEWAY/RAPUARA (Years 12 and 13) Up to 10 week work experience programme Entry by interview only			ELECTRICAL		
			EARLY CHILDHOOD EDUCATION		
			AUTOMOTIVE		
			BANKING		
			CUSTOMER SERVICES/HOSPITALITY		
			PLUMBING		
			HAIRDRESSING/BARBERING		
			BUILDING & CONSTRUCTION		

A wide-range of courses are also available through the **Online Learning Community (OLC.)** These can be found here:

<https://olc.school.nz/Courses>

Year 9 and 10 students who have an interest in languages, can research pre-NCEA options in the OLC.

ART / NGA TOI

	Y9	Y10	Y11	Y12	Y13
ART	Art	Art	Art	Art Painting	Art Painting*
				Art Photography	Art Photography*

LEVEL 1 ART Year 11, Level 1

CONTACT: Ms J Kay

Pre-requisites: Year 10 Art

Course Costs: \$20

Course Description: Use a range of media to produce 2 folio boards

This course is eligible for Course Endorsement.

Total credits: 22

Standard	Title	Level	Credits	Int/Ext
AS 90914	Use drawing methods and skills for recording information using wet and dry media (1.2)	1	4	Internal
AS 90915	Using drawing conventions to develop work in more than one field of practice (1.3)	1	6	Internal
AS 90916	Produce a body of work informed by established practice, which develops ideas, using a range of media (1.4)	1	12	External

LEVEL 2 ART Year 12, Level 2

CONTACT: Ms J Kay

Pre-requisites: Year 11 Art

Course Costs: \$20

Course Description: Use painting to produce 2 folio boards

This course is eligible for Course Endorsement.

Total credits: 20

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91311	Use drawing methods to apply knowledge of conventions appropriate to painting (2.2)	2	4	Internal	x	x
AS 91316	Develop ideas in a related series of drawings appropriate to established painting practice (2.3)	2	4	Internal	x	x
AS 91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting (2.4)	2	12	External	x	x

LEVEL 3 ART

Year 13, Level 3

CONTACT: Ms J Kay

Pre-requisites: Year 12 Art

Course Costs: \$20

Course Description: Use painting to produce 3 folio boards

This course is eligible for Course Endorsement and is a university approved subject.

Total Credits: 22

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91446	Use drawing to demonstrate understanding of conventions appropriate to painting	3	4	Internal	✗	✗
AS 91451	Systematically clarify ideas using drawing informed by established painting practice	3	4	Internal	✗	✗
AS 91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	3	14	Internal	✗	✗

LEVEL 2 ART PHOTOGRAPHY

Year 12, Level 2

CONTACT: Ms L McKillop

Pre-requisites: Year 10 Art

Course Costs: \$20

Course Description: Use photography to produce 2 folio boards

This course is eligible for Course Endorsement.

Total credits: 20

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91312	Use drawing methods to apply knowledge of conventions appropriate to photography (2.2)	2	4	Internal	✗	✗
AS 91317	Develop ideas in a related series of drawings appropriate to established photography practice (2.3)	2	4	Internal	✗	✗
AS 91322	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography (2.4)	2	12	External	✗	✗

LEVEL 3 ART PHOTOGRAPHY

CONTACT: Ms L McKillop

Year 13, Level 3

Pre-requisites: Year 12 Photography

Course Costs: \$100

Course Description: Use photography to produce 3 folio boards

This course is eligible for Course Endorsement and is a university approved subject. Total credits: 22

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91447	Use drawing to demonstrate understanding of conventions appropriate to photography.	3	4	Internal	✗	✗
AS 91452	Systematically clarify ideas using drawing informed by established photography.	3	4	Internal	✗	✗
AS 91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography.	3	14	External	✗	✗

DRAMA / WHAKAARI

	Y9	Y10	Y11	Y12	Y13
DRAMA	Drama	Drama	Drama	Drama	

LEVEL 1 DRAMA

CONTACT: Ms A Russell

Year 11, Level 1

Pre-requisites: HoD approval based on achievement in Year 10 Drama.

Course Description: The collaborative, creative process of drama allows students to learn to share, develop, and extend ideas. It encourages critical and creative thinking, and innovation. Through participating in and responding to drama, learners develop confidence in expressing their ideas. Throughout the year they will be devising an original performance. Students will be assessed as a group for devising and as individuals for their performance. Then they will work in a scripted production. There are also opportunities to experience live theatre performances to prepare for the external exam.

This course is eligible for Course Endorsement.

Total credits: 18

Standard	Title	Level	Credits	Int/Ext
AS 90006	Apply drama techniques in a dramatic context	1	4	Internal
AS 90997	Devise and perform a drama	1	5	Internal
AS 90009	Perform an acting role in a scripted production.	1	5	Internal
AS 90011	Demonstrate understanding of the use of drama aspects within live performance	1	4	External

LEVEL 2 DRAMA

Year 12, Level 2

CONTACT: Ms A Russell

Pre-requisites: HoD approval based on previous achievement in Drama.

Course Description: At level two students also have an opportunity to develop skills in, and be assessed at, both directing and script writing.

The collaborative, creative process of drama allows students to learn to share, develop, and extend ideas. It encourages critical and creative thinking, and innovation. Through participating in and responding to drama, learners develop confidence in expressing their ideas. Throughout the year they will be devising an original performance. Students will be assessed as a group for devising and as individuals for their performance. Then they will work on scripted production. There are also opportunities to experience theatre performances to prepare for the external exam.

This course is eligible for Course Endorsement.

Total credits: 26

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS91213	Apply drama techniques in a scripted context.	2	4	Internal	✗	✗
AS91214	Devise and perform a drama to realise an intention.	2	5	Internal	✗	✗
AS91218	Perform a substantial acting role in a scripted production.	2	5	Internal	✓	✗
AS91219	Discuss drama elements, techniques, conventions and technologies within live performance.	2	4	External	✗	✓
AS91221 <i>Optional</i>	Direct a scene for drama performance.	2	4	Internal	✓	✗
AS91220	Script a scene suitable for drama performance.	2	4	Internal	✓	✓

LEVEL 3 DRAMA

Year 13, Level 3

CONTACT: Ms A Russell

Pre-requisites: HoD approval based on previous achievement in Drama.

Course Description: At level three students also have an opportunity to develop skills in, and be assessed at, both directing and script writing.

At level three students also have an opportunity to develop skills in both directing and script writing. The collaborative, creative process of drama allows students to learn to share, develop, and extend ideas to realise a shared goal. It encourages critical and creative thinking, and innovation. Through participating in and responding to drama, learners develop confidence in expressing their ideas. Throughout the year the students will be devising an original performance. They will be assessed as a group for devising and as individuals for their performance. Then the students will work on scripted production. There are also opportunities to experience live theatre performances to prepare for the external exam.

This course is eligible for Course Endorsement.

Total credits: 17 + 8

Standard	Title	Level	Credits	Int/Ext
AS91513	Devise and perform a drama to realise a concept.	3	5	Internal
AS91512	Interpret scripted text to integrate drama techniques in performance.	3	4	Internal
AS91517	Perform a substantial acting role in a significant production.	3	4	Internal
AS91518	Demonstrate understanding of live drama performance.	3	4	External
AS91520 <i>Optional</i>	Direct a drama performance.	3	4	Internal
AS91519 <i>Optional</i>	Script a drama suitable for live performance.	3	4	Internal

ENGLISH / INGARIHI

ENGLISH	Y9	Y10	Y11	Y12	Y13
	Literacy	Literacy	English	English	English*

LEVEL 1 ENGLISH

CONTACT: Ms C Burns

Year 11, Level 1

Pre-requisites: Students will be placed in the appropriate English course based on their previous achievement.

Course Description: The Year 11 English 1 course is designed to develop students' reading and writing skills, as well as their critical thinking skills. This course is in preparation for NCEA UE literacy and Level 2 English. Students in this course will study a variety of written, visual and oral texts. Students will be entered into AS 1.1 or AS 1.2 and AS 1.3 external assessments dependent on their achievement in the internal component of the course.

This course is eligible for Course Endorsement.

Total credits: 32

Standard	Title	Level	Credits	Int/Ext
AS 90053	Produce formal writing	1	3	Internal
AS 90052	Produce creative writing	1	3	Internal
AS 90849	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	1	4	External
AS 90850	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence	1	4	External
AS 90852	Explain significant connection(s) across texts, using supporting evidence	1	4	Internal
AS 90854	Form personal responses to independently read texts, supported by evidence	1	4	Internal
AS 90856	Show understanding of significant aspects of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	1	3	Internal
AS 90857	Construct and deliver an oral text.	1	3	Internal
AS 90851	Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence	1	4	External

Students will be offered a selection of the above standards

LEVEL 2 ENGLISH

Year 12, Level 2

CONTACT: Ms C Burns

Pre-requisites: 14 credits in Level 1 English or HoD approval.

Course Description: Level 2 English course is designed to develop students' reading and writing skills, as well as their critical thinking skills. This course is focused on achieving NCEA UE literacy and preparation for Level 3 English. Students in this course will study a variety of written, visual and oral texts. Students will be entered into AS 2.1 or AS 2.2 and AS 2.3 external assessments dependent on their achievement in the internal component of the course.

This course is eligible for Course Endorsement.

Total credits: 37

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91098	Analyse specified aspect(s) of studied written text(s), supported by evidence	2	4	External	✓	✓
AS 91099	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	2	4	External	✗	✓
AS 91100	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	2	4	External	✓	✓
AS 91101	Produce a selection of crafted and controlled writing	2	6	Internal	✗	✓
AS 91105	Use information literacy skills to form development conclusion(s)	2	4	Internal	✓	✗
AS 91106	Form developed personal responses to independently read texts, supported by evidence	2	4	Internal	✓	✗
AS 91104	Analyse significant connections across texts, supported by evidence	2	4	Internal	✗	✗
AS 91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	2	4	Internal	✗	✗
AS 91476	Create a fluent and coherent oral text which develops, sustains and structures ideas	3	3	Internal	✗	✗

Students will be offered a selection of the above standards

Note: If you are intending to study at The University of Auckland you must achieve at least 17 English credits at Level 2 and/or Level 3, including UE Literacy (5 reading and 5 writing credits)

LEVEL 3 ENGLISH

Year 13, Level 3

CONTACT: Ms C Burns

Pre-requisites: It is expected that students have UE Literacy and 14 L2 English credits including achievement in at least one external assessment.

Course Description: The Year 13 English course is designed to polish students' analytical and critical skills. This course is designed so that University Entrance is available within the internal assessment component. External assessments provide opportunity for subject endorsement. Students in this course will study a variety of written, visual and oral texts in order to question their meaning, crafting and context. Success in Level 3 English requires a strong work ethic and independence in reading.

This course is eligible for Course Endorsement and is a university approved subject.

Total credits available: 28

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91472	Respond critically to specific aspect(s) of studied written text(s), supported by evidence	3	4	External	✓	✓
AS 91473	Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	3	4	External	✗	✓
AS 91474	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	3	4	External	✓	✓
AS 91476	Create a fluent and coherent oral text which develops, sustains and structures ideas	3	3	Internal	✗	✗
AS 91478	Respond critically to significant connections across texts, supported by evidence.	3	4	Internal	✗	✗
AS 91475	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	3	6	Internal	✗	✓
AS 91479	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence.	3	3	Internal	✗	✗

Note: If you are intending to study at The University of Auckland you must achieve at least 17 English credits at Level 2 and/or Level 3, including UE Literacy (5 reading and 5 writing credits).

GATEWAY / RAPUARA

CONTACT: Mrs B Scorrige

Year 12/13, Level 1,2,3

Pre-requisites: Application process/interview with Gateway Coordinator. Reliability and ability to work independently with good time management skills required.

Course Description: The Gateway Programme provides students an opportunity to participate in structured workplace learning. Students who are likely to join Gateway include those interested in a particular Vocational Pathway and/or wish to learn work related skills. Students are placed with an employer for at least 10 days and complete a selection of unit standards as well as an individual programme of study. This course is funded by TEC and students **must gain a minimum of 20 credits**.

This course is not eligible for Course Endorsement.

Total credits: 65

Standard	Title		Level	Credits	Int/Ext
US 4261	Vehicle Ownership and Operation		2	3	Internal
US 24871	Complete Complex Form		2	2	Internal
US 28098	Evaluate Options to Increase Personal Income		3	3	Internal
US 30907	Demonstrate Knowledge (DKO) of New Zealand Police		2	3	External
US 1980	Dealing with Employment Relationships Problems		3	3	External
US 12354	Legal Implications of Living in Rented Accommodation		2	4	Internal
US 6400/6401/6402	First Aid in the Workplace	Lifecare Provider	1/2/3	4	Internal
US 30265	Schools Health and Safety in the Workplace Essentials	Safety ^N Action Provider	3	8	Internal
US 17593			2	4	Internal
US 497			1	3	Internal
US 17600	Schools Height Safety Introduction	Safety ^N Action Provider	3	3	Internal
US 23229			3	4	Internal
US 18426	DKO Hazards Associated with Confined Spaces	Safety ^N Action Provider	3	4	Internal
US 11097 / Listen	Preparation for the Workplace	The Get Group Provider	3	3	Internal
US 1296 / Interview			3	3	Internal
US 9681/ Team or Group			3	3	Internal
US 2990	Drug and Alcohol issues in the workplace	The Get Group Provider	3	4	Internal
US 4645			3	2	Internal
US 7126			3	2	Internal

MATHEMATICS / PANGARAU

MATHEMATICS	Y9	Y10	Y11	Y12	Y13
	Mathematics c	Mathematics c	Mathematics 1 & 2 c	Mathematics	Mathematics
				Financial Literacy, Mathematics and Statistics	Statistics or Calculus

LEVEL 1 MATHEMATICS, STATISTICS AND FINANCIAL LITERACY

CONTACT: Ms V Bradshaw

Year 11, Level 1

Pre-requisites: Students will be placed in the appropriate Maths course based on their previous achievement.

Course Description: In the first part of the year students will be assessed in Internal Achievement Standards in Mathematics (and one in Science) to gain their 10 Numeracy Credits needed to pass NCEA Level 1. The focus will then change to financial literacy, concentrating on real life money situations. This course will not allow students to do Maths in Level 2 or 3.

This course is not eligible for Course Endorsement

Total credits: 23

Standard	Title	Level	Credits	Int/Ext
AS 91026	Apply numeric reasoning in solving problems	1	4	Internal
AS 90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	1	4	Internal
AS 91032	Apply right-angled triangles in solving measurement problems	1	3	Internal
AS 91036	Investigate bivariate numerical data using the statistical enquiry cycle.	1	3	Internal
US 28087	Demonstrate understanding of the effect of life stages on personal income	1	3	Internal
US 28088	Demonstrate understanding of credit and debt on personal finances	1	3	Internal
US 28089	Demonstrate understanding of personal financial goal setting)	1	3	Internal

LEVEL 1 MATHEMATICS

Year 11, Level 1

CONTACT: Ms V Bradshaw

Pre-requisites: Students will be placed in the appropriate Maths course based on their previous achievement.

Course Description: The course will be a mix of statistical and algebra content which will be assessed in both internal and external assessments. All students will be entered into at least one external, allowing them the chance to endorse in the subject and set them up for Level 2 Mathematics options. This course will allow students to take either Mathematics course offered at Level 2. Students will be offered a selection of the below standards.

This course is eligible for Course Endorsement.

Total credits:

Standard	Title	Level	Credits	Int/Ext
AS 90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	1	4	Internal
AS 91026	Apply numeric reasoning in solving problems	1	4	Internal
AS 91027	Apply algebraic procedures in solving problems	1	4	External
AS 91028	Investigate relationships between tables, equations, and graphs	1	4	External
AS 91029	Apply linear algebra in solving problems	1	3	Internal
AS 91032	Apply right-angled triangles in solving measurement problems	1	3	Internal
AS 91035	Investigate a given multivariate data set using the statistical enquiry cycle	1	4	Internal
AS 91036	Investigate bivariate numerical data using the statistical enquiry cycle	1	3	Internal
AS 91037	Demonstrate understanding of chance and data	1	4	External

LEVEL 2 MATHEMATICS B

CONTACT: Ms V Bradshaw
Year 12, Level 2

Pre-requisites: 14 credits in Level 1 Maths or HoD approval

Course Description: Students will be assessed in Internal Achievement Standards in both mathematics, statistics and financial literacy standards. This will allow students to gain the L2 Mathematics credits needed by some institutions. The course also covers financial literacy topics.

This course is open to all students who achieved Level 1 numeracy. This course will **NOT** enable students to take Maths at Level 3. Students will be offered a selection of the above standards.

This course is not eligible for Course Endorsement.

Total credits: 26

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91258	Apply sequences and series in solving problems	2	2	Internal	✗	✗
AS 91259	Apply trigonometric relationships in solving problems	2	3	Internal	✗	✗
AS 91260	Apply network methods in solving problems)	2	2	Internal	✗	✗
AS 91263	Design a questionnaire	2	3	Internal	✗	✗
AS 91264	Use statistical methods to make an inference	2	4	Internal	✗	✗
AS 91265	Conduct an experiment to investigate a situation using statistical methods	2	3	Internal	✗	✗
US 28092	Analyse the effect of significant life events at different stages on personal financial income.	2	3	Internal	✗	✗
US 28093	Describe the financial responsibilities and consequences of tertiary study funding options	2	3	Internal	✗	✗
US 28096	Demonstrate understanding of insurance products for personal financial capability)	2	3	Internal	✗	✗

LEVEL 2 MATHEMATICS A

Year 12, Level 2

CONTACT: Ms V Bradshaw

Pre-requisites: 14 credits in Level 1 Maths including credits from at least 1 external or HoD approval.

Course Description: Students will complete both mathematics and statistics standards to give a broad range of knowledge across the subject. All students will be expected to take at least one external assessment. This course will enable students to take Mathematics at Level 3. Students will be offered a selection of the below standards.

This course is eligible for Course Endorsement.

Total credits: 28

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91256	Apply co-ordinate geometry methods in solving problems	2	2	Internal	×	×
AS 91258	Apply sequences and series in solving problems	2	2	Internal	×	×
AS 91259	Apply trigonometric relationships in solving problems	2	3	Internal	×	×
AS 91261	Apply algebraic methods in solving problems	2	4	External	×	×
AS 91262	Apply calculus methods in solving problems	2	5	External	×	×
AS 91264	Use statistical methods to make an inference	2	4	Internal	×	×
AS 91267	Apply probability methods in solving problems (2.12)	2	4	External	×	×
AS 91582	Use statistical methods to make a formal inference	3	4	Internal	×	×

LEVEL 3 MATHEMATICS

Year 13, Level 3

CONTACT: Ms V Bradshaw

Pre-requisites: 14 credits in Level 2 Maths including credits from at least 1 external or HoD approval.

Course Description: This course offers both Statistics and Calculus. Students have the option of entering either externals in Statistics or Calculus. Students will be able to gain UE entrance by achievement in internally assessed standards, and will likely commence the course having gained 3 credits in Year 12. Students will be offered a selection of the above standards.

This course is eligible for Course Endorsement and is a university approved subject.

Total credits: 24

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91573	Apply the geometry of conic sections in solving problems	3	3	Internal	×	×
AS 91575	Apply trigonometric methods in solving problems	3	4	Internal	×	×
AS 91581	Investigate bivariate measurement data(3.9)	3	4	Internal	×	×
AS 91586	Apply probability distributions in solving problems(3.14)	3	4	External	×	×
AS 91578	Apply differentiation methods in solving problems	3	6	External	×	×
AS 91587	Apply systems of simultaneous equations in solving problems	3	3	Internal	×	×

MUSIC / PUORO

MUSIC	Y9	Y10	Y11	Y12	Y13
	Music	Music	Music	Music	Music*

LEVEL 1 MUSIC & MUSIC TECHNOLOGY

CONTACT: Mr A Botting

Year 11, Level 1

Pre-requisites: Year 10 Music and/or approval from HOD Music

Course Description: Music at Level 1 is a mix of Performance (Group & Solo) Composition (with some group assessment possible) and some technology Unit Standards in both sound and sequencing. We offer externals for students who have skills in these areas and are looking to endorse in the subject.

This course is eligible for Course Endorsement.

Total credits available: 28

Standard	Title	Level	Credits	Int/Ext
US 26687	Event Technology. Demonstrate and apply knowledge of sound technology for a performance context.	2	4	Internal
US 32300	Music Technology. Midi Sequencing	3	2	Internal
US 32301	Notation Application	3	2	Internal
AS 91090	Perform two pieces of music as a featured soloist (1.1)	1	6	Internal
AS 91091	Demonstrate ensemble skills through performing a piece of music as a member of a group (1.2)	1	4	Internal
AS 91092	Compose two original pieces of music (1.3)	1	6	Internal
AS 91094	Demonstrate knowledge of conventions used in music scores (1.5)	1	4	External

** Students will be offered a selection of the above standards*

LEVEL 2 MUSIC

Year 12, Level 2

CONTACT: Mr A Botting

Pre-requisites: 14 Credits at Level 1 in Music or approval from HOD Music

Course Description: Level 2 Music offers opportunities for students to perform, compose and investigate music in a range of contexts. Unit standards in Music Technology also allow students to develop electronic music for assessment. Students are able to work to their strengths in specialist areas with all externals offered for those who wish to endorse at level 2.

This course is eligible for Course Endorsement.

Total credits: (minimum)

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
US 32302	Music Technology Apply knowledge of Musical Instrument Digital Interface (MIDI) sequencing	2	2	Internal	✗	✗
US 32303	Apply knowledge of a music notation application.	2	3	Internal	✗	✗
AS 91270	Perform two substantial pieces of music as a featured soloist (2.1)	2	6	Internal	✗	✗
AS 91271	Compose two substantial pieces of music (2.4)	2	6	Internal	✗	✗
AS 91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group (2.3)	2	4	Internal	✗	✗
AS 91273	Devise an instrumentation for an ensemble (2.8)	2	4	Internal	✗	✗
AS 91278	Investigate an aspect of New Zealand music (2.9)	2	4	Internal	✗	✗

** Students will be offered a selection of the above standards*

LEVEL 3 MUSIC

Year 13, Level 3

CONTACT: Mr A Botting

Pre-requisites: 14 Credits at Level 2 in Music or approval from HOD Music

Course Description: Level 3 Music offers opportunities for students to perform, compose and research music in a range of contexts. Unit standards in Music Technology also allow students to develop electronic music for assessment. Students are able to work to their strengths in specialist areas with all externals offered for those who wish to endorse at level 3. This class is combined with Level 2 students.

This course is eligible for Course Endorsement and is a university approved subject.

Total credits: 26

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91416	Perform two programmes of music as a featured soloist (3.1)	3	8	Internal	✗	✗
AS 91418	Demonstrate ensemble skills by performing two substantial pieces as a member of a group (3.3)	3	4	Internal	✗	✗
AS 91425	Research a music topic (3.10)	3	6	Internal	✓	✗
AS 91849	Compose three original songs that express imaginative thinking	3	8	Internal	✗	✗
US 32304	Music Technology Operate a music sequencing application	3	4	Internal	✗	✗

PHYSICAL EDUCATION & HEALTH / AKORANGA KOIRI

	Y9	Y10	Y11	Y12	Y13
PHYSICAL EDUCATION	Health c	Health c	Health	Health	Health*
	Physical Education c	Physical Education c	Outdoor Education	Outdoor Education	Outdoor Education*
			Physical Education	Physical Education	Physical Education*

LEVEL 1 HEALTH

CONTACT: Miss R Hill

Year 11, Level 1

Pre-requisites: Student to have taken both Year 9 and Year 10 Health.

Course Description: This is a full year course with 4 components that blend and support one another.

Health Education (with Home Economics) is about hauora and the wellbeing of individuals, whānau and communities. It is about the complex interconnections between the physical, mental, emotional, social, and spiritual dimensions of people's lives.

Ākonga learns about food and nutrition, mental health, and relationships and sexuality. You can explore Māori and Pacific knowledge bases, values and practices related to hauora and wellbeing. You can learn about hauora and Te Whare Tapa Whā, and Pacific models of health, such as Fonofale. Health Education (with Home Economics) learners explore how principles of fairness and inclusiveness can be applied to health and wellbeing approaches. They learn about how kaitiakitanga, manaakitanga and whanaungatanga contribute to the hauora of individuals, whānau and communities. By engaging in this subject, ākonga develop understanding of how actions can enhance hauora, and explore ways to manage change situations that impact health and wellbeing. They learn that hauora is more than a matter of personal choice and individual responsibility. In this subject, ākonga develop understanding of current issues related to nutrition and health and learn about how a range of factors influence wellbeing. This learning can help ākonga understand what contributes to healthy relationships and develop strategies to strengthen their sense of identity and self-worth. There are sensitivities to learning about, and being assessed on, hauora and wellbeing issues and contexts. Given these sensitivities, a strengths-based approach must be taken with the subject's learning tasks and assessment activities. Health Education (with Home Economics) ākonga can teach foundational knowledge and skills that can lead to diverse future pathways, including work and study in the health, community services, government, hospitality, and science sectors.

This course is eligible for Course Endorsement

Total credits: 24

Standard	Title	Level	Credits	Int/Ext
AS 1.1	Take action to enhance an aspect of personal well-being	1	3	Int
AS 1.5	Demonstrate strategies for promoting positive sexuality	1	4	Int
AS 91097	Demonstrate understanding of ways in which well-being can change and strategies to support well-being	1	4	Int
AS 1.4	Demonstrate understanding of interpersonal skills used to enhance relationships	1	5	Int
AS 1.2	Demonstrate understanding of adolescent eating patterns and health-enhancing recommendations	1	4	Ext
AS 1.6	Demonstrate understanding of issues to make health-enhancing decisions in drug related situations	1	4	Ext

LEVEL 2 HEALTH

CONTACT: Miss R Hill

Year 12, Level 2

Pre-requisites: Have taken Year 11 Health, Year 11 English is also beneficial.

Course Description: This is a course for students who think critically, unpack and challenge a variety of social issues, stereotypes and norms. Students study problems, their causes and influences and develop sound conclusions and strategies to create health enhancing outcomes. During this course we explore a range of topics that are relevant to teenage life. These vary from media influences, interpersonal conflict and sexuality. This course aims to educate students about nutrition, health promotion and sexuality and gender issues, empower students to make health-enhancing decisions and take actions to improve their own wellbeing and others. As well as to challenge stereotypes and common beliefs and requires students to think critically about issues. This subject requires a sound writing ability, time management and work to be completed both in and out of class time during assessment periods.

This course is eligible for Course Endorsement.

Total credits: 20

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91235	Analyse an adolescent health issue	2	5	Ext	x	x
AS 91237	Take action to enhance an aspect of people's wellbeing with the school or the wider community (2.3)	2	5	Int	x	x
AS 91239	Analyse issues relating to sexuality and gender to develop strategies for addressing issues (2.5)	2	5	Int	x	x
AS 91236	Evaluate factors that influence people's ability to manage change	2	5	Int	x	x

LEVEL 3 HEALTH

CONTACT: Miss R Hill

Year 13, Level 3

Pre-requisites: Level 1 and 2 Health, Level 1 and 2 English is also beneficial

Course Description: This is a course for students who think critically, unpack, and challenge a variety of social issues, stereotypes and norms. Students study national problems, their causes and influences and develop sound conclusions and strategies to create health enhancing outcomes. During this course we explore a range of topics that are relevant to today's world. These vary from health issues and their associated health practices, nutrition, and ethical decision making. This course aims to educate students about nutrition, health promotion and health practices, to begin to critically impact the multiple perspectives within these areas and make connections to the impact these have. Also, to empower students to make health-enhancing decisions and take actions to improve their own wellbeing and others. As well as to challenge stereotypes and common beliefs and requires students to think critically about issues.

This subject requires a sound writing ability, time management and work to be completed both in and out of class time during assessment periods.

This course is eligible for Course Endorsement and is a university approved subject

Total credits: 19

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91461	Analyse a NZ Health Issue	3	5	Int	Yes	✗
AS 91466	Investigate a nutritional issue affecting the well-being of NZ Society	3	5	Int	Yes	✗
AS 91464	Analyse a contemporary ethical issue in relation to well being	3	4	Int	Yes	✗
AS 91463	Evaluate health practices currently used in NZ	3	5	Int	Yes	✗

LEVEL 1 OUTDOOR EDUCATION

CONTACT: Mr B McKeown

Year 11, Level 1

Pre-requisites: Open

Course Description: This course includes both practical and theory-based lessons and assessments leaning more so to the practical side of learning. Movement is integral to the human experience. It facilitates a lifelong understanding of our bodies, contributes to our hauora, and allows us to live physically active lives. Movement is affected by, and affects, who we are, how we experience and interact with others, and our relationship to and place in society. Outdoor Education develops the social, emotional, intellectual, and cultural capabilities of ākonga. These capabilities inform the ways in which ākonga understand tikanga in movement contexts, provide diverse ways of participating in physical activities, and contribute to movement's wider benefits to hauora.

This course is eligible for Course Endorsement.

Total credits: 20

Standard	Title	Level	Credits	Int/Ext
AS 91934	Demonstrate understanding of how natural processes shape an environment	1	5	External
AS 91935	Demonstrate decision-making in response to a geographic challenge in Aotearoa New Zealand or the Pacific	1	5	External
AS 90969	Demonstrate understanding of an action to enhance hauora	1	5	Internal
AS 92016	Demonstrate movements in context	1	5	Internal

LEVEL 2 OUTDOOR EDUCATION

Year 12, Level 2

CONTACT: Mr B McKeown

Pre-requisites: Open,

Course Description This course includes both practical and theory-based lessons and assessments leaning more so to the practical side of learning. Movement is integral to the human experience. It facilitates a lifelong understanding of our bodies, contributes to our hauora, and allows us to live physically active lives. Movement is affected by, and affects, who we are, how we experience and interact with others, and our relationship to and place in society. Outdoor Education develops the social, emotional, intellectual, and cultural capabilities of ākonga. These capabilities inform the ways in which ākonga understand tikanga in movement contexts, provide diverse ways of participating in physical activities, and contribute to movement's wider benefits to hauora.

This course is eligible for Course Endorsement.

Total credits: 19

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91333	Analyse the application of risk management strategies to a challenging outdoor activity.	2	3	Internal	✗	✗
US 457	Mountain bike on intermediate to expert terrain	2	2	Internal	✗	✗
US 20138	Select, set up and maintain a mountain or cycle touring bike	2	3	Internal	✗	✗
AS 91330	Perform a physical activity in an applied setting	2	4	Internal	✗	✗
AS 91332	Evaluate leadership strategies that contribute to the effective functioning of a group.	2	4	Internal	✗	✗
AS 91334	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity.	2	3	Internal	✗	✗

LEVEL 3 OUTDOOR EDUCATION

Year 13, Level 3

CONTACT: Mr B McKeown

Pre-requisites: Ideally Level 2 Physical Education and/or Outdoor Education.

Course Description: This course includes both practical and theory-based lessons and assessments leaning more so to the practical side of learning. Movement is integral to the human experience. It facilitates a lifelong understanding of our bodies, contributes to our hauora, and allows us to live physically active lives. Movement is affected by, and affects, who we are, how we experience and interact with others, and our relationship to and place in society. Outdoor Education develops the social, emotional, intellectual, and cultural capabilities of ākonga. These capabilities inform the ways in which ākonga understand tikanga in movement contexts, provide diverse ways of participating in physical activities, and contribute to movement's wider benefits to hauora.

This course is eligible for Course Endorsement and is a university approved subject (Physical Education)

Total credits: 22

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91789	Devise strategies for a physical activity outcome.	3	4	Internal	✗	✗
AS 91329	Analyse a physical skill performed by self or others	3	3	Internal	✗	✗
AS 91500	Analyse issues in safety management for outdoor activity to devise safety management strategies	3	3	Internal	✓	✗
AS	Demonstrate quality performance of a physical activity	3	4	Internal	✗	✗
US 20817	Plan for, participate in, and evaluate mountain bike ride on intermediate to expert terrain	3	3	Internal	✗	✗
US 26246	Demonstrate mountain biking knowledge and skills	3	5	Internal	✗	✗

LEVEL 1 PHYSICAL EDUCATION

CONTACT: Mr B McKeown

Year 11, Level 1

Pre-requisites: Open, a good attitude and high level of effort.

Course Description: This course includes both practical and theory-based lessons and assessments. Movement is integral to the human experience. It facilitates a lifelong understanding of our bodies, contributes to our hauora, and allows us to live physically active lives. Movement is affected by, and affects, who we are, how we experience and interact with others, and our relationship to and place in society. Physical Education develops the social, emotional, intellectual, and cultural capabilities of ākonga. These capabilities inform the ways in which ākonga understand tikanga in movement contexts, provide diverse ways of participating in physical activities, and contribute to movement's wider benefits to hauora.

This course is eligible for Course Endorsement.

Total credits: 20

Standard	Title	Level	Credits	Int/Ext
AS 92016	Demonstrate movements in context	1	5	Internal
AS 92017	Demonstrate understanding of strategies which promote kotahitanga in movement.	1	5	Internal
AS 92018	Explore the relationship between movement and hauora	1	5	External
AS 92019	Demonstrate understanding of influences on movement in Aotearoa New Zealand	1	5	External

LEVEL 2 PHYSICAL EDUCATION

CONTACT: Mr B McKeown

Year 12, Level 2

Pre-requisites: Open entry, a passion for sports and fitness. Willingness to participate in all aspects of the course.

Course Description: This course includes both practical and theory-based lessons and assessments. Movement is integral to the human experience. It facilitates a lifelong understanding of our bodies, contributes to our hauora, and allows us to live physically active lives. Movement is affected by, and affects, who we are, how we experience and interact with others, and our relationship to and place in society. Physical Education develops the social, emotional, intellectual, and cultural capabilities of ākonga. These capabilities inform the ways in which ākonga understand tikanga in movement contexts, provide diverse ways of participating in physical activities, and contribute to movement's wider benefits to hauora.

This course is eligible for Course Endorsement.

Total credits: 22

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91329	Demonstrate understanding of the application of biophysical principles to training for physical activity.	2	4	Internal	×	×
US 457	Mountain bike on intermediate to expert terrain	2	2	Internal	×	×
US 20138	Select, set up and maintain a mountain or cycle touring bike	2	3	Internal	×	×
AS 91330	Perform a physical activity in an applied setting	2	4	Internal	×	×
AS 91332	Evaluate leadership strategies that contribute to the effective functioning of a group.	2	4	Internal	×	×
AS 91328	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills.	2	5	Internal	×	×

LEVEL 3 PHYSICAL EDUCATION

Year 13, Level 3

CONTACT: Mr B McKeown

Pre-requisites: Level 2 Physical Education, Level 1 and 2 English is a benefit also.

Course Description: This course includes both practical and theory-based lessons and assessments. Movement is integral to the human experience. It facilitates a lifelong understanding of our bodies, contributes to our hauora, and allows us to live physically active lives. Movement is affected by, and affects, who we are, how we experience and interact with others, and our relationship to and place in society. Physical Education develops the social, emotional, intellectual, and cultural capabilities of ākonga. These capabilities inform the ways in which ākonga understand tikanga in movement contexts, provide diverse ways of participating in physical activities, and contribute to movement's wider benefits to hauora.

This course is eligible for Course Endorsement and is a university approved subject

Total credits: 23

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91789	Devise strategies for a physical activity outcome.	3	4	Internal	✗	✗
AS 91329	Analyse a physical skill performed by self or others	3	3	Internal	✗	✗
AS 91500	Evaluate the effectiveness of a performance improvement programme	3	4	Internal	✓	✗
AS 91501	Demonstrate quality performance of a physical activity	3	4	Internal	✗	✗
US 20817	Plan for, participate in, and evaluate mountain bike ride on intermediate to expert terrain	3	3	Internal	✗	✗

SCIENCE / PŪTAIAO

	Y9	Y10	Y11	Y12	Y13
SCIENCE	Science	Science	Science	Biology	Biology
				Chemistry	Chemistry
				Physics	Physics

LEVEL 1 SCIENCE

CONTACT: Ms Bradshaw

Year 11, Level 1

Pre-requisites: NA

Course Description: The Level 1 Science course is composed of a selection of learning opportunities that cover Biology, Chemistry and Physics. There are 3 internal assessments worth a total of 12 credits and the choice of 3 external assessments with a maximum of 12 credits. Due to the splitting of the Sciences in Level 2, this course ensures that all students gain the ability to build a knowledge base for the 3 Sciences.

This course is eligible for Course Endorsement.

Total credits: 24

Standard	Title	Level	Credits	Int/Ext
AS 90925	Carry out a practical investigation in a biological context, with direction.	1	4	Internal
AS 90930	Carry out a practical chemistry investigation, with direction	1	4	Internal
AS 90940	Demonstrate understanding of aspects of mechanics	1	4	External
AS 90944	Demonstrate understanding of aspects of acids and bases	1	4	External
AS 90948	Demonstrate understanding of biological ideas relating to genetic variation	1	4	External
AS 90941	Investigation implications of electricity and magnetism for everyday life.	1	4	Internal

LEVEL 2 BIOLOGY

CONTACT: Ms Bradshaw

Year 12, Level 2

Pre-requisites: NCEA Level 1 Science AS90948 - Demonstrate understanding of biological ideas relating to genetic variation

Course Description: The Level 2 Biology course has a focus on Genetics with students building a knowledge base around what makes us different from each other and why. There are three internal assessments. One is a practical investigation, the second is about the gas exchange systems of three different animals, and the final one has a focus on microscope use and biological drawings.

This course is eligible for Course Endorsement.

Total credits: 18

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91153	Carry out a practical biological investigation in a biology context, with supervision (2.1)	2	4	Internal	✗	✗
AS 91155	Demonstrate understanding of adaptation of plants or animals to their way of life (2.3)	2	3	Internal	✗	✗
AS 91157	Demonstrate understanding of genetic variation and change (2.5)	2	4	External	✗	✓
AS 91160	Investigate biological material at the microscopic level (2.8)	2	3	Internal	✗	✗
AS 91159	Demonstrate understanding of gene expression (2.7)	2	4	External	✗	✗

LEVEL 3 BIOLOGY

CONTACT: Ms Bradshaw

Year 13, Level 3

Pre-requisites: NCEA Level 2 Biology

Course Description: The Level 3 Biology course has 3 internal assessments and 1 external assessment, with the option to add another external. The external assessments focus on speciation or the formation of new species and also the trends in human evolution. There is a zoo visit during the year to observe primates and learn more about their environment and characteristics. Biology is a subject that leads to several tertiary pathways. If you are not looking to attend a tertiary institute, Biology is also relevant to life as human beings.

This course is eligible for Course Endorsement and is a university approved subject.

Total credits: 18

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91601	Carry out a practical investigation in a biological context, with guidance.	3	4	Internal	✗	✗
AS 91602	Integrate biological knowledge to develop an informed response to a socio-scientific issue	3	3	Internal	✓	✓
AS 91604	Demonstrate understanding of how an animal maintains a stable internal environment (3.4)	3	3	Internal	✓	✗
AS 91605	Demonstrate understanding of evolutionary processes leading to speciation (3.5)	3	4	External	✓	✓
AS 91606	Demonstrate understanding of trends in human evolution (3.6)	3	4	External	✓	✓

LEVEL 2 CHEMISTRY

CONTACT: Ms Bradshaw

Year 12, Level 2

Pre-requisites: 14+ credits from Level 1 Science including: AS90944 Properties of Acids and Bases and AS9030 Carry out a practical chemistry investigation

Course Description: Students will research current scientific ideas and investigate the chemical and physical properties of a variety of substances (including ionic, metallic, molecular and organic compounds). We will also develop an understanding of oxidation/reduction reactions, analytical techniques and reaction rates in solutions to help interpret observations.

This course is eligible for Course Endorsement.

Total credits: 23

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91910	Carry out a practical investigation into a substance present in a consumer product using quantitative analysis.	2	4	Internal	x	x
AS 91911	Carry out procedures to identify ion present in solution	2	3	Internal	x	x
AS 91164	Demonstrate understanding of bonding, structure, properties and energy changes.	2	5	External	x	x
AS 91165	Demonstrate understanding of the properties of selected organic compounds.	2	5	External	x	x
AS 91167	Demonstrate understanding of oxidation-reduction.	2	3	Internal	x	x
AS 91166	Carry out an investigation into chemical species present in a sample using qualitative analysis.	2	3	External	x	x

LEVEL 3 CHEMISTRY

CONTACT: Ms Bradshaw

Year 13, Level 3

Pre-requisites:

14+ credits from Level 2 Chemistry including: AS91164 Bonding structure and energy **and** either AS91155 Organic compounds **or** AS91156 Aqueous systems, AS91157 Redox and AS91152 Ions in solution.

It is also strongly recommended that the student has endorsement from L2 Chemistry.

Course Description: Students will research current scientific ideas and investigate the chemical and physical properties of a variety of substances (including ionic, metallic, molecular and organic compounds). We will also develop further understanding of oxidation/reduction, spectroscopic analysis and interpret observations of equilibrium and buffers in solutions.

This course is eligible for Course Endorsement and is a university approved subject.

Total credits: 21

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	3	5	Ext	x	x
AS 91393	Demonstrate understanding of oxidation-reduction processes	3	3	Int	x	x
AS 91391	Demonstrate understanding of the properties of selected organic compounds	3	4	Ext	x	x
AS 91162	Demonstrate understanding of spectroscopic data in chemistry	3	5	Int	x	x
AS 91392	Demonstrate understanding of equilibrium principles in aqueous systems	3	5	Int	x	x

LEVEL 2 PHYSICS

CONTACT: Ms Bradshaw

Year 12, Level 2

Pre-requisites: NCEA Level 1 Science AS90940 – Demonstrate understanding of aspects of mechanics
NCEA Level 1 Mathematics AS91028 - Investigate relationships between tables, equations and graphs

Course Description: “The study of matter, energy and their interactions” - is an international enterprise, which plays a key role in the future progress of humankind. Physics generates fundamental knowledge needed for the future technological advances that will continue to drive the economic engines of the world.” Physics answers the questions of “how” and “why” things work. From tiny particles such as the electrons to the orbital properties of the Universe, and everything in between.

This course is eligible for Course Endorsement.

Total credits: 18

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91169	Demonstrate understanding of physics relevant to a selected context	2	3	Internal	×	×
AS 91171	Demonstrate understanding of mechanics	2	6	External	×	×
AS 91172	Demonstrate understanding of atomic and nuclear physics	2	3	Internal	×	×
AS 91173	Demonstrate understanding of electricity and electromagnetism	2	6	External	×	×

LEVEL 3 PHYSICS

CONTACT: Ms Bradshaw

Year 13, Level 3

Pre-requisites: NCEA Level 2 Physics

Course Description: “the study of matter, energy and their interactions” - is an international enterprise, which plays a key role in the future progress of humankind. Physics generates fundamental knowledge needed for the future technological advances that will continue to drive the economic engines of the world.” Physics answers the questions of “how” and “why” things work. From tiny particles such as the electrons to the orbital properties of the Universe, and everything in between.

This course is eligible for Course Endorsement and is a university approved subject.

Total credits: 16

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91522	Demonstrate understanding of the application of physics to a selected context	3	3	Int	×	×
AS 91624	Demonstrate understanding of mechanical systems	3	4	Ext	×	×
AS 91526	Demonstrate understanding of electrical systems	3	6	Ext	×	×
AS 91527	Use physics knowledge to develop an informed response to a socio-scientific issue	3	3	Int	✓	×

SOCIAL SCIENCES / TIKANGA A IWI

	Y9	Y10	Y11	Y12	Y13
SOCIAL SCIENCES	Social Studies c	Social Studies c	Geography	Geography	Geography
			History	History	History

LEVEL 1 GEOGRAPHY Year 11, Level 1

CONTACT: Ms C Burns

Pre-requisites: Curriculum Leader approval based on levels of achievement in Year 10 Social Studies.

Course Description: Geography is the study of places and the relationships between people and their environments. Geographers explore both the physical properties of Earth's surface and the human societies spread across it. Geography seeks to understand where things are found, why they are there, and how they develop and change over time.

This course is eligible for Course Endorsement.

Total credits: 13+8

Standard	Title	Level	Credits	Int/Ext
AS 91008	Demonstrate geographic understanding of environments that have	1	4	External
AS 91009	Demonstrate geographic understanding of the sustainable use of an environment (1.3)	1	3	Internal
AS 91010	Apply concepts and basic skills	1	4	External
AS 91011	Conduct geographic research, with direction (1.5)	1	4	Internal
AS 91012	Describe aspects of a contemporary New Zealand geographic issue (1.6)	1	3	Internal
AS 91013	Describe aspects of a geographic topic at a global scale (1.7)	1	3	Internal

LEVEL 2 GEOGRAPHY

Year 12, Level 2

CONTACT: Ms C Burns

Pre-requisites: Priority will be given to students who have successfully completed the Level 1 Geography course, but all students working at Level 2 will be considered.

Course Description: Geography is the study of places and the relationships between people and their environments. Geographers explore both the physical properties of Earth's surface and the human societies spread across it. Geography seeks to understand where things are found, why they are there, and how they develop and change over time.

This course is eligible for Course Endorsement.

Total credits: 11+12

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91240	Demonstrate geographic understanding of a large natural environment. (2.1)	2	4	External	✓	✓
AS 91242	Demonstrate geographic understanding of differences in development. (2.3)	2	4	External	✓	✓
AS 91243	Apply geography concepts and skills to demonstrate understanding of a given environment. (2.4)	2	4	External	✗	✗
AS 91244	Conduct geographic research with guidance. (2.5)	2	5	Internal	✗	✗
AS 91245	Explain aspects of a contemporary New Zealand geographic issue. (2.6)	2	3	Internal	✗	✗
AS 91246	Explain aspects of a geographic topic at a global scale. (2.7)	2	3	Internal	✗	✗

LEVEL 3 GEOGRAPHY

Year 13, Level 3

CONTACT: Ms C Burns

Pre-requisites: Priority will be given to students who have successfully completed the Level 2 Geography course, but all students working at Level 3 will be considered.

Course Description: Geography is the study of places and the relationships between people and their environments. Geographers explore both the physical properties of Earth's surface and the human societies spread across it. Geography seeks to understand where things are found, why they are there, and how they develop and change over time.

This course is eligible for Course Endorsement.

Total credits: 14+12

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91426	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment. (3.1)	3	4	External	✓	✓
AS 91427	Demonstrate understanding of how a cultural process shapes geographic environment(s). (3.2)	3	4	External	✓	✓
AS 91428	Analyse a significant contemporary event from a geographic perspective. (3.3)	3	3	Internal	✓	✗
AS 91429	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills. (3.4)	3	4	External	✓	✓
AS 91430	Conduct geographic research with consultation. (3.5)	3	5	Internal	✗	✗
AS 91431	Analyse aspects of a contemporary geographic issue. (3.6)	3	3	Internal	✓	✗
AS 91433	Analyse aspects of a geographic topic at a global scale. (3.7)	3	3	Internal	✓	✗

LEVEL 1 HISTORY

Year 11, Level 1

CONTACT: Ms C Burns

Pre-requisites: HoD approval based on achievement in Year 10 Social Studies.

Course Description: Studying History will equip you with the skills to analyse evidence, understand perspectives and construct arguments. History is more than the study of the past; it is a living creative act. We explore past events so we can better understand what is happening today. Students will research two chosen historical events, examining the causes and consequences of one, and the differing perspectives on the other. Students are encouraged to question accepted interpretations of the past and consider contesting theories of historians and commentators.

This course is eligible for Course Endorsement.

Total credits: 12+12

Standard	Title	Level	Credits	Int/Ext
AS 91001	Carry out an investigation of an historical event, or place, of significance to New Zealanders.	1	4	Internal
AS 91002	Demonstrate understanding of an historical event, or place, of significance to New Zealanders.	1	4	Internal
AS 91003	Interpret sources of an historical event of significance to New Zealanders.	1	4	External
AS 91004	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders.	1	4	Internal
AS 91005	Describe the causes and consequences of an historical event.	1	4	External
AS 91006	Describe how a significant historical event affected New Zealand society.	1	4	External

LEVEL 2 HISTORY

Year 12, Level 2

CONTACT: Ms C Burns

Pre-requisites: Priority will be given to students who have successfully completed the Level 1 History course, but all students working at Level 2 will be considered.

Course Description: Studying History will equip you with the skills to analyse evidence, understand perspectives and construct arguments. History is more than the study of the past; it is a living creative act. We explore past events so we can better understand what is happening today. Students will research two chosen historical events, examining the causes and consequences of one, and the differing perspectives on the other. Students are encouraged to question accepted interpretations of the past and consider contesting theories of historians and commentators.

This course is eligible for Course Endorsement

Total credits: 14 + 14

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91229	Carry out an inquiry of an historical event or place that is of significance to New Zealanders.	2	4	Internal	✓	✗
AS 91230	Examine an historical event, or place, of significance to New Zealanders	2	5	Internal	✓	✗
AS 91231	Examine sources of an historical event that is of significance to New Zealanders.	2	4	External	✓	✓
AS 91232	Interpret different perspectives of people in an historical event that is of significance to New Zealanders.	2	5	Internal	✓	✗
AS 91233	Examine causes and consequences of a significant historical event.	2	5	External	✓	✓
AS 91234	Examine how a significant historical event affected New Zealand society.	2	5	External	✓	✓

LEVEL 3 HISTORY

Year 13, Level 3

CONTACT: Ms C Burns

Pre-requisites: Priority will be given to students who have successfully completed the Level 2 History course, but all students working at Level 3 will be considered.

Course Description: Studying History will equip you with the skills to analyse evidence, understand perspectives and construct arguments. History is more than the study of the past; it is a living creative act. We explore past events so we can better understand what is happening today. Students will research two chosen historical events, examining the causes and consequences of one, and the differing perspectives on the other. Students are encouraged to question accepted interpretations of the past and consider contesting theories of historians and commentators.

This course is eligible for Course Endorsement

Total credits: 15 + 16

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91434	Research an historical event or place of significance to New Zealanders, using primary and secondary sources.	3	5	Internal	✓	✗
AS 91435	Analyse an historical event, or place, of significance to New Zealanders	3	5	Internal	✓	✗
AS 91436	Analyse evidence relating to an historical event of significance to New Zealanders.	3	4	External	✓	✓
AS 91437	Analyse different perspectives of a contested event of significance to New Zealanders.	3	5	Internal	✓	✗
AS 91438	Analyse the causes and consequences of a significant historical event.	3	6	External	✓	✓
AS 91439	Analyse a significant historical trend and the force(s) that influenced it	3	6	External	✓	✓

MĀORI PERFORMING ARTS (Kapa Haka / Te Ao Haka)

	Y9	Y10	Y11	Y12	Y13
TE REO MĀORI	Te Reo Māori	Te Reo Māori	Māori Performing Arts	Māori Performing Arts	Māori Performing Arts

LEVEL 1 MĀORI PERFORMING ARTS

CONTACT: R Thompson

Year 11, Level 1

Pre-requisites: Some knowledge of Te Reo Māori and/or Kapa Haka is an advantage but not necessary for entry into this course.

Course Description: At Level 1 students will explore the various contexts, narratives, styles, compositions and meaning of Te Ao Haka. They will explore the connection of language and culture and the development of it in its artform. Students will also explore how creativity informs and influences performances and observe components, elements, and features of Te Ao Haka.

Te Ao Haka is a culturally responsive art form, providing opportunities for all students to engage in Māori culture, language, and traditional practice. Te Ao Haka is founded on traditional knowledge, but is progressive in the development and evolution of the art form.

Intrinsic to Te Ao Haka are culture, language and identity. Te Ao Haka is a vehicle used to wānanga and communicate culture, tikanga, knowledge systems, and iwi traditions. Te Ao Haka is enabling and centres around the importance of family, marae, iwi, hapū, and waka through connection with the past, present and future. This belonging gives students a purpose to strive towards and achieve to their full potential, including empowering them to have fun and enjoy the performing arts.

Students who engage with Te Ao Haka recognise that pride in their culture also comes with a responsibility to create a positive space for others to continue expressing themselves in developing their craft. Therefore, students are able to understand their contributions to the art form.

This course is not eligible for Course Endorsement.

Total credits: 28

Standard	Title	Level	Credits	Int/Ext
AS 91977	Perform an item from a Te Ao Haka discipline	1	6	Internal
US 22752	Demonstrate knowledge and skills of performance components	1	6	Internal
Choose 1-2 of the following standards:				
US 32948	Demonstrate knowledge of the origins of Māori performing arts and disciplines	1	4	Internal
US 22753	Demonstrate knowledge of people associated with kapa haka	1	4	Internal
US 22754	Demonstrate knowledge of the origins of Māori performing arts events	1	4	Internal
US 22755	Demonstrate knowledge of Māori performing arts kākahu	1	4	Internal

Along with these internal assessments there will be expectations around the possible learning of karakia, whaikōrero and karanga.

LEVEL 2 MĀORI PERFORMING ARTS

Year 12, Level 2

CONTACT: R Thompson

Pre-requisites: Some knowledge of Te Reo Māori and/or Kapa Haka is an advantage but not necessary for entry into this course.

Course Description: At Level 2 students will explore the various contexts, narratives, styles, compositions and meaning of Te Ao Haka. They will explore the connection of language and culture and the development of it in its artform. Students will also explore how creativity informs and influences performances and observe components, elements, and features of Te Ao Haka.

Te Ao Haka is a culturally responsive art form, providing opportunities for all students to engage in Māori culture, language, and traditional practice. Te Ao Haka is founded on traditional knowledge, but is progressive in the development and evolution of the art form.

Intrinsic to Te Ao Haka are culture, language and identity. Te Ao Haka is a vehicle used to wānanga and communicate culture, tikanga, knowledge systems, and iwi traditions. Te Ao Haka is enabling and centres around the importance of family, marae, iwi, hapū, and waka through connection with the past, present and future. This belonging gives students a purpose to strive towards and achieve to their full potential, including empowering them to have fun and enjoy the performing arts.

Students who engage with Te Ao Haka recognise that pride in their culture also comes with a responsibility to create a positive space for others to continue expressing themselves in developing their craft. Therefore, students are able to understand their contributions to the art form.

This course is not eligible for Course Endorsement.

Total credits: 38

Standard	Title	Level	Credits	Int/Ext
US 22756	Perform a Māori performing arts bracket	2	10	Internal
Choose 2 of the following standards:				
US 13359	Demonstrate knowledge and skills of mōteatea	2	6	Internal
US 13363	Demonstrate knowledge and skills of waiata ā-ringa	2	6	Internal
US 13371	Demonstrate knowledge and skills of haka	2	6	Internal
US 13367	Demonstrate knowledge and skills of poi	2	10	Internal

LEVEL 3 MĀORI PERFORMING ARTS

Year 13, Level 3

CONTACT: R Thompson

Pre-requisites: Some knowledge of Te Reo Māori and/or Kapa Haka is an advantage but not necessary for entry into this course.

Course Description: At Level 3 students will research the various contexts, narratives, styles, compositions and meaning of Te Ao Haka. They will explore the connection of language and culture and the development of it in its artform. Students will also explore how creativity informs and influences performances and observe components, elements, and features of Te Ao Haka.

Te Ao Haka is a culturally responsive art form, providing opportunities for all students to engage in Māori culture, language, and traditional practice. Te Ao Haka is founded on traditional knowledge, but is progressive in the development and evolution of the art form.

Intrinsic to Te Ao Haka are culture, language and identity. Te Ao Haka is a vehicle used to wānanga and communicate culture, tikanga, knowledge systems, and iwi traditions. Te Ao Haka is enabling and centres around the importance of family, marae, iwi, hapū, and waka through connection with the past, present and future. This belonging gives students a purpose to strive towards and achieve to their full potential, including empowering them to have fun and enjoy the performing arts.

Students who engage with Te Ao Haka recognise that pride in their culture also comes with a responsibility to create a positive space for others to continue expressing themselves in developing their craft. Therefore, students are able to understand their contributions to the art form.

This course is not eligible for Course Endorsement.

Total credits: 39

Standard	Title	Level	Credits	Int/Ext
US 32955	Perform a Māori performing arts bracket	3	15	Internal
Choose 1-2 of the following standards:				
US 32971	Demonstrate knowledge and skills of haka	3	6	Internal
US 32972	Demonstrate knowledge and skills of mōteatea	3	6	Internal
US 32973	Demonstrate knowledge and skills of poi	3	6	Internal
US 32974	Demonstrate knowledge and skills of waiata ā-ringā	3	6	Internal

TECHNOLOGY / HANGARAU

TECHNOLOGY HANGARAU	Curriculum	Y9	Y10	Y11	Y12	Y13
	Digital Technology	Digital Technology	Digital Technology	Digital Technology	Digital Technology	Digital Technology
	Materials and Processing Technology	Food	Food	Food Technology	Hospitality	Food Technology
		Metalwork	Metalwork	Engineering	Engineering	Engineering
		Woodwork	Woodwork	Design and Build	Design and Build	Carpentry
	Design and Visual Communication					

LEVEL 1 DIGITAL TECHNOLOGY / HANGARAU MATIHIKO Year 11, Level 1

CONTACT: Mr I Fulton

Pre-requisites: Year 10 Digital Technology preferred.

Course Description: Games can be used for all kinds of purposes including telling stories, connecting with others, practicing skills, or just fun! Computer programming is what drives our games, so what better way to practice your programming skills than by developing a game?

This course allows students to use different digital technologies to create digital content and games that are fun for their peers to play. Students will gain experience in constructing, testing and debugging simple text based games that they create using Python. They will also learn how to develop a multi-page website to promote their game, gaming club or e-sports team.

This course is eligible for Course Endorsement.

Total credits: 17

Standard	Title	Level	Credits	Int/Ext
AS 91880	Develop a digital media outcome	1	4	Internal
AS 91883	Develop a computer program (Python)	1	4	Internal
AS 91884	Use basic iterative processes to develop a digital outcome	1	6	Internal
AS 91885	Demonstrate understanding of human computer interaction	1	3	External

LEVEL 2 DIGITAL TECHNOLOGY / HANGARAU MATIHIKO

Year 12, Level 2

CONTACT: Mr I Fulton

Pre-requisites: Year 11 Digital Technology preferred.

Course Description: Games can be used for all kinds of purposes including telling stories, connecting with others, practicing skills, or just fun! Computer programming is what drives our games, so what better way to practice your programming skills than by developing a game?

Students will spend most of the year developing an arcade 2d platform style game. They will learn a range of skills and knowledge related to game development including designing and creating the graphical assets, writing the code for the game and the planning and managing of a project. This is a technically challenging course designed for students that have completed programming at level 1 and who enjoy programming.

This course is eligible for Course Endorsement.

Total credits: 16

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91891	Apply conventions to develop a design for a digital technologies outcome.	2	3	Internal	✗	✗
AS 91893	Use advanced techniques to develop a digital media outcome	2	4	Internal	✗	✗
AS 91896	Use advanced programming techniques to develop a computer program	2	6	Internal	✗	✗
AS 91898	Demonstrate understanding of a computer science concept	2	3	External	✗	✗

LEVEL 3 DIGITAL TECHNOLOGY / HANGARAU MATIHIKO

Year 13, Level 3

CONTACT: Mr I Fulton

Pre-requisites: Year 12 Digital Technology preferred.

Course Description: Level 3 Digital Technology gives students the opportunity to choose a project of their own choice e.g. develop a multi-page web site, video project or develop an arcade 2d platform style game.

Students will learn a range of skills and knowledge related to their project. For example, if choosing web development, the student will use the latest website technologies to build a portfolio website to showcase their photography, art work or a business. If choosing game development, then the student will design and create the graphical assets and write the code in Python for the arcade style game. These projects can springboard students into further training in media design, game development or computer science degrees.

This course is a university approved subject.

Total credits: 15

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91901	Apply user experience methodologies to develop a design for a digital technologies outcome	3	3	Internal	✗	✗
AS 91903	Use complex techniques to develop a digital media outcome OR	3	4	Internal	✗	✗
AS 91906	Use complex programming techniques to develop a computer program	3	6	Internal	✗	✗
AS 91907	Use complex processes to develop a digital technologies outcome	3	6	Internal	✗	✗
AS 91909	Present a reflective analysis of developing a digital outcome	3	3	External	✗	✗

LEVEL 1 Design and Build

Year 11, Level 1

CONTACT: Mr D Care

Pre-requisites: Year 10 Hard Materials preferably

Course Costs: Nil

Course Description: Level 1 Design and Build is a practical and multi-disciplinary (predominantly focusing on carpentry and architecture) program for students that combines learning from the Design and Visual Communication (DVC) curriculum and Hard Materials Technology curriculum. It teaches the foundation skills and knowledge that can springboard students into any career in the construction industry. The course develops literacy, numeracy and communication skills specifically needed in the construction industry and gives insight into the processes and procedures of building and building design.

This course is not eligible for Course Endorsement.

Total credits: 20

Standard	Title	Level	Credits	Int/Ext
AS 91063	Produce freehand sketches that communicate design ideas.	1	3	External
AS 91064	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas.	1	3	External
US 24352	Demonstrate and apply knowledge of safe working practices and use PPE during the construction of a BCATS project.	1	2	Internal
US 24355	Demonstrate knowledge of construction and manufacturing materials used in BCATS projects	1	4	Internal
US 24356	Apply elementary procedures and processes for a BCATS project	1	8	Internal

LEVEL 2 Design and Build

Year 12, Level 2

CONTACT: Mr D Care

Pre-requisites: Either Level 1 Hard Materials, Level 1 Design and Build or Level 1 DVC

Course Costs: Nil

Course Description: Level 2 Design and Build is a practical and multi-disciplinary (predominantly focusing on carpentry and architecture) program for students that combines learning from the Design and Visual Communication (DVC) curriculum and Hard Materials Technology curriculum. It teaches the foundation skills and knowledge that can springboard students into any career in the construction industry. The course develops literacy, numeracy and communication skills specifically needed in the construction industry and gives insight into the processes and procedures of building and building design.

This course is not eligible for Course Endorsement.

Total credits: 19

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91338	Produce working drawings to communicate technical details of a design	2	4	External		
AS 91337	Use visual communication techniques to generate design ideas	2	3	External		
US 12927	Demonstrate knowledge of, select, maintain, and use hand tools for BCATS projects.	2	6	Internal	✗	✗
US 31812	Complete a BCATS project	2	6	Internal	✗	✗

LEVEL 3 Carpentry

Year 13, Level 3

CONTACT: Mr D Care

Pre-requisites: Level 2 Hard Materials or Level 2 Design and Build

Course Costs: Nil

Course Description: Level 3 Hard Materials is a practical and multi-disciplinary (predominantly focusing on carpentry) program for students, providing them with the skills and knowledge to springboard into any career in the construction industry. The course develops literacy, numeracy and communication skills specifically needed in the construction industry and gives insight into the processes and procedures of building.

This course is not eligible for Course Endorsement.

Total credits: 24

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
US 29684	Undertake a Stage 3 BCATS project.	3	12	Internal	✗	✗
US 29679	Develop and use BCATS project documentation for a Stage 3 BCATS project	3	8	Internal	✗	✗
US 29678	Demonstrate knowledge of, select, and use materials for a Stage 3 BCATS project.	3	4	Internal	✗	✗

LEVEL 1 ENGINEERING

Year 11, Level 1

CONTACT: Mr A Murray

Pre-requisites: NA

Course Costs: Costs for any projects to be taken home are to be met by the student.

Course Description: Basic use and safety of engineering tools and machinery to develop a simple product incorporating their own design elements. Students will use a variety of materials using hand and machine tools to measure, mark, cut and fabricate a wind-vane.

This course is not eligible for Course Endorsement. Total credits 26

Standard	Title	Level	Credits	Int/Ext
US 4433	Select, use, and care for simple measuring devices used in engineering.	1	2	Internal
US 22923	Demonstrate basic engineering workshop skills under close supervision.	1	12	Internal
US 22924	Develop a simple product using engineering materials.	1	10	Internal
US 22926	Demonstrate knowledge of safety procedures in a specific engineering workshop.	1	2	Internal

LEVEL 2 ENGINEERING

Year 12, Level 2

CONTACT: Mr A Murray

Pre-requisites: L1 Engineering strongly advised

Course Costs: Costs for any projects to be taken home are to be met by the student.

Course Description: This course builds on skills learned in L1 Engineering. Students become more conversant with the hand and machine equipment in the engineering workshop. The project is self-directed and is based around wheels.

This course is not eligible for Course Endorsement.

Total credits 20

Standard	Title	Level	Credits	Int/Ext
US 21911	Demonstrate knowledge of safety on engineering worksites.	2	2	Internal
US 32051	Demonstrate and apply knowledge of mechanical engineering drawings and geometric construction in MaPS environment.	2	4	Internal
US 32053	Demonstrate knowledge of and apply good work practices when performing machining operations in MaPS environment.	2	7	Internal
US 32055	Demonstrate knowledge of and apply good work practices when performing simple fabrication operations in MaPS environment.	2	7	Internal

LEVEL 3 ENGINEERING

CONTACT: Mr A Murray

Year 13, Level 3

Pre-requisites: Either Level 1 or Level 2 Engineering.

Course Costs: Costs for any projects to be taken home are to be met by the student.

Course Description: This course is more self-directed where students design and develop a prototype using skills and materials in the engineering workshop. We work with Fairview Educational Services to provide courses relating to the automotive industry.

This course is not eligible for Course Endorsement. Total credits 16

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
US 91611	Develop a prototype considering fitness for purpose in the broadest sense.	3	6	Internal	✗	✗
US 30435	Demonstrate knowledge of vehicle emissions	3	4	Internal	✗	✗
US 30436	Demonstrate knowledge of an electronic fuel injection (EFI) system	3	2	Internal	✗	✗
US 30477	Demonstrate knowledge of petrol and diesel engines.	3	4	Internal	✗	✗

LEVEL 1 FOOD TECHNOLOGY

CONTACT: Mrs J Myers

Year 11, Level 1

Pre-requisites: Students should have completed options in Year 9 & 10 food Technology.

Course Costs: Nil

Course Description: The Level 1 course comprises of a mix of Achievement Standards from the Health & PE and Home Economics domain and Technology. There is also a hospitality unit standard.

This course is eligible for Course Endorsement.

Total credits: 21

Standard	Title	Level	Credits	Int/Ext
AS 91082	Implement basic procedures to process a specified product	1	4	Internal
AS 90958	Demonstrate understanding of how cultural practices influence eating patterns in NZ	1	5	internal
AS 90959	Demonstrate knowledge of practices and strategies to address food handling issues.	1	5	Internal
AS 90961	Demonstrate understanding of how packaging information influences an individual's food choices and well-being.	1	4	External
US 15921	Prepare and cook a batch of scones, a cake and a sponge.	1	3	internal

LEVEL 2 FOOD TECHNOLOGY

CONTACT: Mrs J Myers

Year 12, Level 2

Pre-requisites: Level 1 is preferred

Course Costs: NIL

Course Description: During this course, students will develop skills in selection, adaptation, processing, preparation and serving of food with consideration given to nutritional needs, hygiene and selection and use of equipment. Practical lessons will complement theory tasks.

This course is eligible for Course Endorsement

Total Credits: 18

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91299	Analyse issues related to the provision of food for people with specific food needs.	2	5	Internal	✗	✗
		2	5	Internal	✗	✗
AS 91351	Implement advanced procedures to a specified product.	2	4	Internal	✗	✗
AS 91304	Evaluate health promoting strategies designed to address a nutritional need.	2	4	External	✗	✗

LEVEL 3 FOOD TECHNOLOGY

CONTACT: Mrs J Myers

Year 13, Level 3

Pre-requisites: Students should have a senior level background in Food Technology. Years 11-12, if possible

Course Costs: Nil

Course Description: This Level 3 course comprises of Achievement Standards from The Technology domain and Home Economics domain. There is also opportunity, (depending on class composition) to do Hospitality standards.

This course is a university approved subject.

Total credits: 16 plus

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
AS 91609	Undertake project management to support technological practice.	3	4	Internal	✗	✗
AS 91643	Implement complex procedures to process a specified product.	3	6	Internal	✗	✗
AS 91611	Develop a prototype considering fitness for purpose in the broadest sense.	3	6	Internal	✗	✗
AS91469	Investigate the influence of multi-national food corporations on eating patterns in NZ	3	5	Internal	x	x
US 18497	Demonstrate knowledge of culinary products, terms and food preparation methods	3	8	Internal	x	x
AS 91471	Food Advertising and the impact on wellbeing in NZ	3	4	External	x	x

LEVEL 2 HOSPITALITY

CONTACT: Mrs J Myers

Pre-requisites: Students should have studied Food Technology in Years 9 & 10.

Course Costs: Nil

Course Description: The level 2 Hospitality course is a practical based course with a theory workbook component. Students have a variety of learning opportunities and a wide range of culinary skills to process and develop.

This course is not eligible for Course Endorsement.

Total credits: 28

Standard	Title	Level	Credits	Int/Ext	UE Literacy	
					R	W
US 167	Practise food safety methods in a food business under supervision	2	4	Internal	✗	✗
US 13276	Cook food items by grilling.	2	2	Internal	✗	✗
US 13283	Prepare and present salads for service	2	2	Internal	✗	✗
US 13281	Prepare and present basic sandwiches for service	2	2	Internal	✗	✗
US 13280	Prepare fruit and vegetable cuts in a commercial kitchen	2	2	Internal	✗	✗
US 13278	Cook food items by roasting	2	2	Internal	✗	✗
US 13285	Use and maintain knives in a commercial kitchen.	2	2	Internal	✗	✗
US 13271	Cook food items by Frying	2	2	Internal	✗	✗
SIQ Barista Skills 17285 17286 17287	Espresso coffee making and filter and Plunger coffee skills	2	8	Internal	✗	✗

CAREER PATHWAY INFORMATION

CONTACT: Mrs B Scorrington and Mr T Hall

The Whangamatā Area School Careers Centre provides information for all students about careers and further education. For more information about tertiary courses please check out the following websites. You will get detailed and up-to-date information about courses on offer and entry requirements.

Vocational Pathways



Social & Community Services

Ratonga Pōpori,
Ratonga Hāpori



Construction & Infrastructure

Te Mahi Hanga me te
Pūtoi Hanganga



Manufacturing & Technology

Te Whakanao me te
Hangarau



**Primary Industries
(Food & Fibre)**

Ahūmahi
Matua



Service Industries

Ahūmahi
Ratonga



Creative Industries

Ahūmahi
Auaha

Vocational Pathways provide new ways to achieve NCEA Level 2. These pathways let you see how learning and achievement is valued in the workplace. They also suggest the types of study options and job opportunities available to learners. A student can achieve the Vocational Pathway Award in the industry they are interested in. Employers can see learner strengths, abilities, interests and achievements when they look at the Vocational Pathways information.

STAR (Secondary Tertiary Alignment Resource)

STAR provides flexible funding for courses which respond to students' needs and facilitates transition to further education, training or employment. It supports students to explore career pathways and helps them make informed decisions about their schooling and future work or study.

WTA (Waikato Trades Academy)

WTA is funded by the NZ Government to provide secondary students with the opportunity to study at both school and Wintec. Students gain specific and practical experience and skills in an industry-based setting and the opportunity to move directly into a job, apprenticeship or further study. Students choose from a selection of vocational pathway programmes and attend Wintec one day a week. Programmes are: Construction and Infrastructure, Manufacturing and Technology, Electrical Engineering, Services Industries (Hairdressing and Beauty Therapy), Landscape, Construction and Cultivation, and Social and Community Services.

Visit www.careers.govt.nz for a comprehensive overview of all careers including, salaries, career prospects and training information.

Universities:	
Universities New Zealand	www.universitiesnz.ac.nz
The University of Auckland	www.auckland.ac.nz
Auckland University of Technology	www.aut.ac.nz
University of Canterbury	www.canterbury.ac.nz
Lincoln University	www.lincoln.ac.nz
Massey University	www.massey.ac.nz
Otago University	www.otago.ac.nz
Victoria University of Wellington	www.wgtn.ac.nz
University of Waikato	www.waikato.ac.nz
Polytechnics:	
Unitec	www.unitec.ac.nz
Manukau Institute of Technology (MIT)	www.manukau.ac.nz
Wintec	www.wintec.ac.nz
Toi Ohomai Institute of Technology	www.toiohohmai.ac.nz
Otago Polytechnic	www.op.ac.nz
Southern Institute of Technology (SIT)	www.sit.ac.nz
Wānanga	
Te Wānanga O Aotearoa	www.twoa.ac.nz
Private/Government Training Establishments (selection)	
NZ School of Tourism	www.nzschooloftourism.co.nz
Cut Above Academy	www.cutabove.ac.nz
Elite School of Beauty	www.elitebeautyschool.co.nz
Queenstown Resort College (QRC)	www.queenstownresortcollege.com
Electrical Training Company (ECTO)	www.ecto.co.nz
Vision College & Train Me (various)	www.atc.org.nz
Media Design School	www.mediadesignschool.com
Pacific Coast Technical Institute	www.pcti.co.nz
Hair Industry Training Organisation (HITO)	www.hito.org.nz
Defence Force	www.nzdf.mil.nz/nzdf
Excel School of Performing Arts	www.excel.ac.nz

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