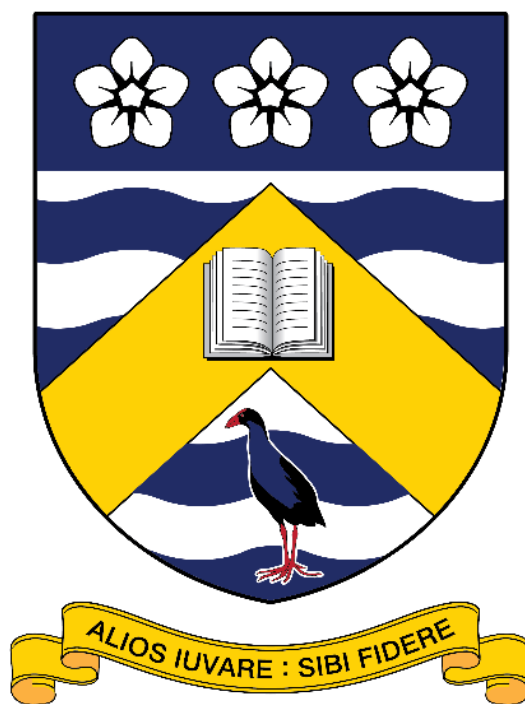


MORRINSVILLE COLLEGE



YEARS 12 AND 13 SENIOR STUDIES GUIDE 2024



INTRODUCTION

It is time to start thinking about next year! You need to decide what subjects you wish to take. This booklet will help you to decide, by giving you an outline of each of the subjects you can choose at Year 12 and Year 13 levels.

Read carefully through the information on the subjects which interest you. Keep in mind how your choice of subjects will let you progress to the next level at school or to tertiary education. Some subjects are more difficult to start at Year 13. If you intend doing any of these subjects at tertiary level, you should study them at Years 12 and 13. Examples include Accounting, Biology, Chemistry, Japanese, Music, Digital Technologies Science, Mathematics and Physics. Remember that there are some subjects you would find difficult to pick up again if you drop them now. Also, in some areas you may need to take supporting subjects in order to give you the necessary background. It will make things much easier for you if you work these out now, before deciding on your course.

It is also wise to check out thoroughly any career ideas you have, to make sure you are taking the right subjects. Research the career pathways you are interested in by going to www.careers.govt.nz and talk with the Careers Adviser, Mrs Thomas.


Your form teacher and subject teachers will also help you and give you some indication of your likely ability to cope with work at these levels. It is essential that you **ASK QUESTIONS**.

If you have difficulty making your subject choices discuss your problem with the Careers Adviser or one of the Senior Deans.



What to keep in mind when choosing Years 12 and 13 subjects

PRINCIPLES OF SUBJECT CHOICE

1. Get help. Who to talk to?
 - Subject teachers for course information
 - Ask teachers about the subjects they take
 - Careers Adviser for tertiary course or career requirements, and which subjects are needed or preferred for certain careers
 - Senior Deans for course planning
 2. Parents are welcome to discuss subject choices and there will be the opportunity to do this at the beginning of the 2024 school year during the course registration interviews.
 3. The later you specialise, the more flexibility you have and the longer you can delay your career choice. Keep your options open. Be flexible. Specialise only when you have set a clear career direction.
 4. There are a number of useful websites aimed at helping people make subject choices' decisions.
www.careers.govt.nz
www.nxtstep.co.nz
 5. The College reserves the right to not run subjects where numbers are low or teachers are unavailable.
- 

WAYS TO TRAIN IN NEW ZEALAND

INSTITUTION	WHAT IS OFFERED
<ul style="list-style-type: none">Schools	NCEA Vocational Pathways Awards
<ul style="list-style-type: none">Industry	Apprenticeships Work-based training
<ul style="list-style-type: none">Te Pūkenga (NZ Institute of Skills and Technology)	Pre-apprenticeship courses National Certificates, Diplomas or Degrees
<ul style="list-style-type: none">University	Undergraduate Diplomas or Degrees Postgraduate Certificates/Diplomas
<ul style="list-style-type: none">Private training providers	National Certificate or Diploma courses

SUBJECT MATERIALS FEES

Subject materials fees are charged in Technology subjects to cover the cost of materials that are used by students, and which enable them to produce a take-home project.

These fees are NOT VOLUNTARY. Failure to pay these subject fees, or to make arrangements to pay them, may result in resources being withdrawn from students.

Below are the subject fees for 2024:

Electronics Technology

Years 12 & 13

\$50

Plus students purchase their own materials for the main project.

Technology Wood

Years 12 & 13

\$40

Plus students purchase their own materials for projects

Technology Metal

Years 12 & 13

\$50

Plus students purchase their own materials for projects

YEAR 12 COURSES

ARE YOU ELIGIBLE TO WORK TOWARDS NCEA LEVEL 2?

Fourth year students are classed as Year 12 students. However, it is up to the College to determine whether you are or are not eligible to work towards NCEA Level 2. In determining eligibility to work at this level, the College considers:

- your attitude and effort in the classroom
- your ability to cope with the work
- your results at NCEA Level 1.

Possible scenarios:

- ⇒ You may qualify to work towards NCEA Level 2 in all subjects
- ⇒ you may have to repeat NCEA Level 1 in all subjects
- ⇒ you may be able to study a mixture of NCEA Levels 1 and 2 courses.

WHAT IS NCEA?

In 2024, most Year 12 students will be working towards Level 2 of the National Certificate in Education Achievement.

- To be awarded NCEA Level 2 a student needs to gain 80 credits
- 60 of the 80 credits must be from Level 2 standards (or higher)
- Credits have three possible values: Achieved, Merit and Excellence
- You can accumulate credits either through gaining Achievement Standards or Unit Standards.

PROGRAMME OF LEARNING



**ASSESSMENT BY ACHIEVEMENT STANDARDS
AND/OR UNIT STANDARDS**



RESULTS



NCEA LEVEL 2 QUALIFICATION



CHOOSING YOUR YEAR 12 COURSE

The Subjects: You must choose six subjects in order of preference.

1. Sciences, including Digital Technologies Science, are important subjects in many careers, for example: the health field (laboratory work, physiotherapy, occupational therapy, nursing, medicine) and in engineering, architecture and similar careers. If a Science-based career is considered, check your subjects with the Careers Adviser.
2. Mathematics to NCEA Level 2 is required by virtually all advanced scientific and technical occupations. It is also important for such careers as Psychology, Accounting, Physical Education and Home Science.
3. Some subjects can be taken up for the first time at Year 12 level, for example: Agribusiness, Gateway, Tourism and Employment Skills.



YEAR 13 COURSES

WHAT IS NCEA?

In 2024, most Year 13 students will be working towards Level 3 of the National Certificate in Education Achievement.

- To be awarded NCEA Level 3 a student needs to gain 80 credits
- 60 of the 80 credits must be from Level 3 standards or above
- Credits have three possible values: Achieved, Merit and Excellence
- You can accumulate credits either through gaining Achievement Standards or Unit Standards.

PROGRAMME OF LEARNING



ASSESSMENT BY ACHIEVEMENT STANDARDS AND/OR UNIT STANDARDS



RESULTS



NCEA LEVEL 3 QUALIFICATION

NEW ZEALAND SCHOLARSHIP

Secondary school students have the opportunity to enter for an award called New Zealand Scholarship.

New Zealand Scholarship extends our best secondary students and enables top scholars to be identified and acknowledged. Students will be able to enter one or more scholarship standard assessments as well as their Level 3 assessments.

The aim is to assess a student's ability to synthesise and integrate concepts – to apply higher-level thinking based on in-school and independent learning.

The content assessed for Scholarship is usually more in-depth than covered for Level 3 Achievement Standards. It is expected that Scholarship candidates will have completed a full year of Level 3 studies at a secondary school.

Assessment is standards-based and all assessment will be external.

CHOOSING YOUR SUBJECTS

- Some subjects can be taken at NCEA Levels 2 and 3 for the first time, though some extra work will be required. Discuss your intention with the subject teacher concerned, before obtaining the Dean's approval. However, it is especially important to note prerequisites for University courses, or Te Pukenga courses eg physiotherapy, architecture, medicine, engineering.
- In Year 13 students are able to choose Classical Studies for the first time.
- Before making a final decision on their course, students should consult the Careers Adviser or one of the Senior Deans.

QUALIFYING FOR ENTRY TO UNIVERSITY IN 2024

A person shall be qualified for entrance to university in New Zealand if he/she has obtained:

- Level 3 NCEA and
- 10 credits in Numeracy at NCEA Level 1 or higher
- 5 credits in reading and 5 credits in writing at NCEA Level 2 or higher
- 14 credits in each of three approved subjects at NCEA Level 3

Generally, Unit Standard assessments do not qualify as 'approved subjects'.

For more details see the information below:

Numeracy Level 1 or higher

10 credits from specified achievement standards available through a range of subjects

Literacy Level 2 or higher

5 reading

AND

5 writing from the specified list

The credits can come from a range of subjects.

Level 3 or higher 42 credits

14 credits in one approved subject	14 credits in one approved subject	14 credits in one approved subject
------------------------------------	------------------------------------	------------------------------------

Achieve NCEA Level 3 Certificate

Please note that this is the minimum university entrance standard. Many university courses require a much greater number of credits or a specific number of credits beyond Achieved level.

YEAR 13 IS ALSO IMPORTANT IN OTHER WAYS:

- Less teacher supervision is provided and more self-discipline is expected from students.
- It is an essential year for many careers.
- As the most senior year at school, greater opportunities to demonstrate leadership are possible.
- It is a chance to think about yourself as a person and reflect on education and future life. This is a year of important decisions and a year to mature.

Vocational Pathways

Vocational Pathways provide new ways to achieve NCEA level 2 and 3 – the foundation for success in further education and the world of work. There are 6 different pathways:

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



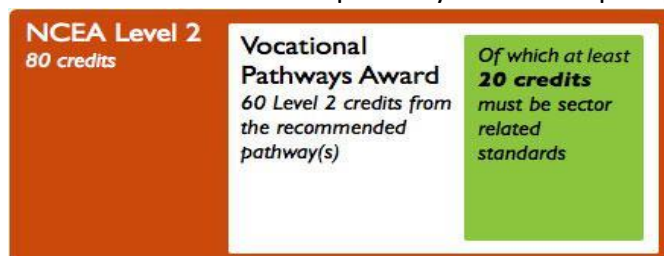
Government agencies, the industry training sector, secondary and tertiary representatives and industry and employer representatives worked together to develop the six Vocational Pathways for NCEA Level 2 as the foundation of the journey to employment

Achieving Vocational Pathways means that students have developed skills and achieved in areas that employers value, and that they have skills and knowledge that are relevant for their industries. When you are planning a career in this sector, the pathway helps you to see which subjects and standards you should do to get to where you want to go.

And if you haven't decided but are thinking about the future, the pathways can help you see how your strengths and interests match up to a challenging range of jobs and study options out there.

What is a Vocational Pathways Award?

To receive a Vocational Pathways Award, students must first gain NCEA Level 2, which is 60 credits from Level 2 and 20 credits from any other level; 80 credits in total. To get a Vocational Pathways Award, a **minimum of 20 Level 2 credits** must be from sector related standards, with the remaining from the recommended standards in one or more pathways to make up 60 pathway credits in total.



The Vocational Pathways Award(s) will be awarded to students on their NZQA Record of Achievement. This will be a real advantage when they look for work and training opportunities in the sector.

Use the profile builder throughout the year to track your progress. This is on Kamar and on the Youth Guarantee website: <https://youthguarantee.education.govt.nz/tools/profile-builder/>

Level	2	Course Name: Accounting (12ACC)						
Course Overview	Accounting is an extremely useful subject for a student who envisages being involved in management positions (either a self-employed plumber, builder, farmer or retailer for instance, or employed by a firm as a manager or supervisor, or even an individual investing on the stock exchange or for taxation purposes). In today's world a person with some understanding of business accounts is at an advantage. Assessments will be offered from the following list:							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91174	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems.	2	E	4		Yes		
AS91175	Demonstrate understanding of accounting processing using accounting software.	2	I	4	Yes			
AS91176	Prepare financial information for an entity that operates accounting subsystems.	2	E	5	Yes			
AS91177	Interpret accounting information for entities that operate accounting subsystems.	2	E	4	Yes	Yes		
AS91179	Demonstrate understanding of an accounts receivable subsystem for an entity.	2	I	3	Yes	Yes		
AS591386	Demonstrate understanding of an inventory subsystem for an entity.	2	I	3	Yes	Yes		
AS91481	Demonstrate understanding of a contemporary accounting issue for decision-making.		I	4		Yes		
Total number of credits available								27
Prerequisites	This course is usually taken after gaining at least seven credits in Level 1 Accounting. For able students it may be possible to study this subject without having done Level 1 Accounting.							
Other Details	Expected Trips	Nil						
Where could this lead?	Accounting or Business Management studies at tertiary level; employment in business administration.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
				11		23		
See Mr Cochran or Mr O'Shaughnessy								

Level	3	Course Name: Accounting (13ACC)				UE Approved Subject			Yes
Course Overview	This course builds on basic financial accounting concepts and processes developed in Levels 1 and 2 Accounting. It is extended to include a study of partnership and company accounts, cash-flow statements and budgets, cost accounting for managers, internal controls and decision-making. This course is intended mainly for students considering studying accounting or Business Management at tertiary level. Assessments will be offered from the following list:								
Assessments Offered									
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>	
AS91404	Demonstrate understanding of accounting concepts for a New Zealand reporting entity.	3	E	4			Yes	Yes	
AS91405	Demonstrate understanding of accounting for partnerships.	3	I	4					
AS91406	Demonstrate understanding of company financial statement preparation.	3	E	5					
AS91407	Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity.	3	I	5			Yes	Yes	
AS91408	Demonstrate understanding of management accounting to inform decision-making.	3	E	4					
AS91409	Demonstrate understanding of a job cost subsystem for an entity.	3	I	4					
Total number of credits available								26	
Prerequisites	Students should have studied accounting at NCEA Level 1 or at NCEA Level 2. For able students it may be possible to study L3 Accounting without having taken the subject at Levels 1 or 2.								
	Expected Trips	Nil							
Where could this lead?	Accounting or Business Management studies at tertiary level; employment in business administration.								
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries			
			4	17		8			
See Mr O'Shaughnessy									

Level	2	Course Name: Agribusiness (12AGB)						
Course Overview	This course has been designed to encourage students to become financially literate and to show students how to set up and run a business. Topics covered include business planning, cash flow forecasting, market research, sales and advertising and financial record-keeping. Throughout the course emphasis will be placed on <u>agriculture</u> and business skills will be developed in relation to primary industries. Assessments will be offered from the list below (not all in any one year).							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS90843	Demonstrate understanding of the internal operations of a large business.	2	E	4		Yes		
AS90844	Demonstrate understanding of how a large business responds to external factors.	2	E	4		Yes		
AS91297	Demonstrate understanding of land use for primary production in New Zealand	2	E	4		Yes		
AS91865	Demonstrate understanding of future-proofing influences that affect business viability	2	I	4		Yes		
AS91866	Conduct an inquiry into the use of organisms to meet future needs	2	I	4		Yes		
AS91867	Demonstrate understanding of a primary industry business structure that meets the strategic needs of a business.	2	I	3		Yes		
AS91868	Demonstrate understanding of cash flow forecasting for a business.	2	I	4		Yes		
Total number of credits available								27
Prerequisites	A background in Year 11 Economics, Accounting or Agriculture would be helpful but is not essential.							
	Expected Trips	To be confirmed						
Where could this lead?	It will provide a useful background for Level 3 Agribusiness and could lead to many careers with Business Management or Primary Industries.							
See Mr O'Shaughnessy								

Level	3	Course Name: (13AGB) Agribusiness			UE Approved Subject			Yes
Course Overview	This course has been designed to develop students' financial literacy, with particular focus on agriculture. Topics covered include business planning, market research, sales and advertising, production, financial record-keeping. Assessments will be offered from the following list:							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91530	Demonstrate understanding of how market forces affect supply of and demand for New Zealand primary products.	3	E	5	Yes	Yes	Yes	Yes
AS91869	Analyse future-proofing strategies to ensure long-term viability of a business.	3	I	4			Yes	
AS91870	Analyse the effect of a strategic capital expenditure decision on a business.	3	I	4				
AS91871	Analyse how a product meets market needs through innovation in the value chain	3	I	4	Yes		Yes	
AS91383	Analyse a human resource issue affecting businesses	3	I	3			Yes	
Total number of credits available								17
Prerequisites	There are no prerequisites for this course, but previous study of Agribusiness, Economics, Accounting or Agricultural Science would be helpful. Students must also be willing to self-direct their own work and co-operate in groups.							
	Expected Trips	Still to be confirmed						
Where could this lead?	To Business Management Studies or Agribusiness at tertiary level, or to employment in administration or primary industries.							
See Mr O'Shaughnessy								

Level	2	Course Name: Agricultural Science (12AGR)	UE Approved Subject	Yes				
Course Overview	This course continues the pathway towards tertiary studies in Agricultural Science commenced in Year 11 as well as providing a good base for students intending to enter the Primary Industries sector through degree and polytechnic courses, as well as farm cadets and other work schemes associated with farming. There will be opportunities for those students who have out of school farm access to attempt the more practical Unit Standards.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91294	Demonstrate understanding of how New Zealand commercial management practices influence livestock growth and development	2	E	4				
AS91289	Carry out an extended practical agricultural or horticultural investigation	2	I	4				
AS91295	Demonstrate understanding of interactions between livestock behaviour and NZ commercial management practices	2	I	4				
AS91293	Demonstrate understanding of livestock reproductive techniques in NZ commercial production	2	I	4				
AS91298	Report on the environmental impact of production of a locally produced primary product	2	I	4				
Total number of credits available								20
Prerequisites	Year 11 Agriculture is helpful but not essential.							
Other Details	Expected Trips	Farm visits as required.						
Where could this lead?	This course provides a useful background for Level 3 Agricultural Science and could lead to many careers within the Primary Industries.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
			31					
See Mrs Spindler								

Level	3	Course Name: Agricultural Science (13AGR)				UE Approved Subject	Yes		
Course Overview	This course continues the pathway towards tertiary studies in Agricultural Science commenced in Years 11 and 12 as well as providing a good base for students intending to enter the farming sector through polytechnic courses, farm cadets and other work schemes associated with farming.								
Assessments Offered									
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
AS91532	Analyse a NZ primary production environment issue	3	E	5			Yes	Yes	
AS91735	Demonstrate understanding Evaluate measures that may be taken to sustain and/or improve a biophysical environment	3	I	4				Yes	
AS91528	Carry out an investigation into an aspect of NZ primary product or its production.	3	I	4		Yes			
AS91529	Research and report on the impact of factors on the profitability of a NZ primary product	3	I	6			Yes	Yes	
Total number of credits available								19	
Prerequisites	Previous study in Agricultural Science, Agribusiness or Accounting/Economics is helpful but not essential.								
Other Details	Expected Trips								
Where could this lead?	To a career in agriculture or horticulture or to further study at a tertiary institution.								
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries			
			31						
See Mrs Spindler									

Level	2	Course Name: Art - Visual Arts (12ART)	UE Approved Subject					No
Course Overview	<p>The aim of the Year 12 Art course is to provide students with a thorough grounding in painting and/or printmaking practices. Students will research and apply traditional and contemporary Art ideas in a systematic way through to finished artworks.</p> <ul style="list-style-type: none"> • Painting Course: The internal assessments AS91311 (2.2) and AS91316 (2.3) are integrated to create a body of work from which students produce the externally assessed AS91321 (2.4 painting folio). Total credits: 20 • Photography: Students work on internal assessments (2.2 and 2.3) that show clarification, extension and regeneration of ideas. The end result is a body of work (2.4) which in total equals 20 credits. 							
Assessments Offered								
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91311	Use drawing methods to apply knowledge of conventions appropriate to painting	2	I	4				
AS91312	Use drawing methods to apply knowledge of conventions appropriate to photography	2	I	4				
AS91316	Develop ideas in a related series of drawings appropriate to established painting practice	2	I	4				
AS91317	Develop ideas in a related series of drawings appropriate to established photography practice	2	I	4				
AS91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	2	E	12				
AS91322	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	2	E	12				
<i>Total number of credits available</i>								20/16
Prerequisite	Completion of Level 1 Art or acceptance from the LAL.							
Other Details	Material Costs	Art Pack (depending on student's existing Art equipment)						
	Expected Trips	One day field trip.						
Where could this lead?	NCEA Level 3 Visual Arts: Painting and/or Photography, Tertiary education and a career in the Creative Industries. Life Skills: Creativity, problem solving strategies, work habits and presentation skills.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
							20/16	
See Ms Birch								

Level	3	Course Name: Art - Visual Arts (13ART)	UE Approved Subject					Yes
Course Overview	<p>The Year 13 Art course is designed to build upon and develop each student's theoretical and practical knowledge of established practice.</p> <ul style="list-style-type: none"> • Painting Course: The internal assessments AS91446 (3.2) and AS91451 (3.3) are integrated to create a body of work from which students can develop their own ideas and interests to produce the externally assessed part of the course AS91456 (3.4 painting folio). Total credits: 22 • Photography: For Year 13 Photography students learn how to clarify, extend and generate ideas through photographs that tell a narrative and/or a theme. Students learn a range of photography skills and techniques that help to refine and elevate their ideas and concepts and deepen their critical thinking and self-expression. 							
Assessments Offered								
Standard Number	Title	Level	Int Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91446	Use drawing to demonstrate understanding of conventions appropriate to painting	3	I	4				
AS91451	Systematically clarify ideas using drawing informed by established painting practice	3	I	4				
AS91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	3	E	14				
AS91447 3.2	Use drawing to demonstrate understanding of conventions appropriate to established photography practice	3		4				
AS91452 3.3	Systematically clarify ideas using drawing informed by established photography practice	3		4				
AS91457 3.4	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	3		14				
<i>Total number of credits available</i>								22/16
Prerequisites	16 credits at Level 2 Art or acceptance from LAL.							
Other Details	Materials	Art Pack (depending on student's existing Art equipment)						
	Expected Trips	One day field trip.						
Where could this lead?	Entry to tertiary Art providers and employment opportunities. Art encourages strong work habits, lateral thinking and conceptual skills.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
See Ms Birch								

Level	2	Course Name: Biology (12BIO)						
Course Overview	Knowledge of Biology – the study of living organisms and their interactions - provides a basis for understanding of the natural environment. Year 12 Biology will develop an understanding of biological concepts to provide a good platform for further studies in Biology and related subjects. Students who have an interest in the natural world will find this course challenging and will gain the required practical skills.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91153	Carry out a practical investigation in a biology context	2	I	4	Yes			
AS91155	Demonstrate understanding of adaptation of plants or animals to their way of life	2	I	3		Yes		
AS91156	Demonstrate understanding of life processes at the cellular level	2	E	4		Yes		Yes
AS91157	Demonstrate understanding of genetic variation and change	2	E	4		Yes		Yes
AS91158	Investigate a pattern in an ecological community	2	I	4		Yes		
<i>Total number of credits available</i>								19
Prerequisites	A suitable Year 11 Science programme, preferably a pass in an external Science standard.							
Other Details	Materials	Workbook						
	Expected Trips	Field trip to Otumoetai						
Where could this lead?	Year 12 Biology is useful and often essential for students intending to follow careers in biological, ecological, medical, veterinary or sport sciences.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	0	4	19	7	15	0		
See Mrs Joubert								

Level	3	Course Name: Biology (13BIO)	UE Approved Subject	Yes				
Course Overview	This course includes both practical and theory aspects. It is designed to produce students with a strong background in Biology who could successfully continue tertiary studies in biologically-related courses or into related employment. Biology is a dynamic subject that allows young adults to perceive and explain their world from a biological perspective. Students will be able to select from the standards below.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91601	Carry out a practical investigation in a biological context, with guidance	3	I	4				
AS91602	Integrate biological knowledge to develop an informed response to a socio-scientific issue.	3	I	3		Yes	Yes	
AS91603	Demonstrate understanding of the responses of plants and animals to their external environment.	3	E	5			Yes	Yes
AS91605	Demonstrate understanding of evolutionary processes leading to speciation	3	E	4			Yes	Yes
AS91606	Demonstrate understanding of trends in human evolution.	3	E	4			Yes	Yes
AS91607	Demonstrate understanding of human manipulations of genetic transfer and its biological implications.	3	I	3			Yes	
AS91604	Demonstrate understanding of how an animal maintains a stable internal environment	3	I	3			Yes	
Total number of credits available								23
Prerequisites	Year 12 Biology							
Other Details	Materials	Highly Advised. Write-On Notes						
	Expected Trips	Field trip to Tongariro. University Open Day Behavioural Field trip						
Where could this lead?	Year 13 Biology is useful and often essential, for students intending to follow careers in biological, ecological, medical, veterinary or sport sciences.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
		11	23		14			
See Mr Symon								

Level	2	Course Name: Chemistry (12CHE)						
Course Overview	This is an academic course intended for those going on to tertiary education. The course has a significant practical component along with relevant theory. Chemistry is an introduction to the fascinating world that exists around us. We will be looking at the chemistry of organic molecules, how atoms bond, what is pH and how does it relate to me.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91161	Carry out quantitative analysis	2	I	4	Yes			
AS91167	Demonstrate understand of oxidation and reduction	2	I	3		Yes		
AS91163	Demonstrate understanding of the chemistry used in the development of a current technology, (Optional TBD)	2	I	3		Yes		
AS91164	Demonstrate understanding of bonding, structure, properties and energy changes	2	E	5		Yes		
AS91165	Demonstrate understanding of the properties of selected organic compounds	2	E	4		Yes		
AS91166	Demonstrate understanding of chemical reactivity	2	E	4		Yes		
Total number of credits available								23
Prerequisites	Successful completion of a suitable Year 11 programme or on application to LAL.							
Other Details	Materials	Workbook						
	Expected Trips							
Where could this lead?	Year 12 Chemistry is useful, and often essential, for students intending to follow careers in many fields including Chemistry, Medicine, Veterinary Science and Engineering.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	23	23	23	11	23	19		
See Mr McNamara								

Level	3	Course Name: Chemistry (13CHE)			UE Approved Subject	Yes			
Course Overview	This is an academic course intended for those going on to tertiary education. The course has a significant practical component along with relevant theory. Year 13 Chemistry picks up where Year 12 finished, taking you more in-depth into the world of Chemistry, looking at a greater range of molecules, while still building on the learning of previous years.								
Assessments Offered									
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
AS91388	Demonstrate understanding of spectroscopic data in chemistry.	3	I	3					
AS91389	Demonstrate understanding of chemical processes in the world around us	3	I	3			Yes	Yes	
AS91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances.	3	E	5					
AS91391	Demonstrate understanding of the properties of organic compounds.	3	E	5					
AS91392	Demonstrate understanding of equilibrium principles in aqueous systems.	3	E	5					
AS91393	Demonstrate understanding of oxidation–reduction processes	3	I	3					
<i>Total number of credits available</i>								24	
Prerequisites	Successful completion of Level 2 Chemistry								
Other Details	Materials	Workbook							
	Expected Trips	University Open Day							
Where could this lead?	Year 13 Chemistry is useful, and often essential, for students intending to follow careers in many fields including Chemistry, Medicine, Veterinary Science and Engineering.								
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries			
	24	24	24	5	24	0			
See Mr McNamara									

Level	3	Course Name Classical Studies (13CLS)	UE Approved Subject						Yes
Course Overview	Classical Studies is the study of the civilisation of the classical world of Ancient Greece and Ancient Rome, and how those civilisations have influenced our modern world. The subject is multi-disciplinary and covers history, art history, philosophy, mythology, drama and politics. Three topics will be taught: Alexander the Great, Art of the Roman Empire and Aristophanes Comedies.								
Assessments Offered									
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing	
91394	Analyse ideas and values of the classical world	3	E	4	No	Yes	Yes	Yes	
91395	Analyse the significance of a work(s) of art in the classical world	3	E	4	No	Yes	Yes	Yes	
91396	Analyse the impact of a significant historical figure on the classical world	3	E	6	No	Yes	Yes	Yes	
91397	Demonstrate understanding of significant ideologies in the classical world	3	I	6	No	Yes	Yes	No	
91398	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	3	I	6	No	Yes	Yes	No	
<i>Total number of credits available</i>								26	
Prerequisites	No specific subject prerequisites however a good standard of literacy is required as assessment is essay based involving analysis of historical texts.								
Other Details	Materials	Nil							
	Expected Trips	Nil							
Where could this lead?	Classics can lead to any career where generic thinking and communication skills are in demand. Possible careers are teaching, administration, foreign affairs, trade and industry, social welfare, tourism, law, librarian, museums and art galleries, publishing, broadcasting and media, journalism and the theatre.								
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries			
	0	0	0	0	0	0	26		
See Mrs Thomas									

Level	2	Course Name Dance (12DAN)	UE Approved Subject					Yes
Course Overview	This course is designed for students who are actively interested in learning about the theory of multiple dance genres, as well as performance. This is a composite Level 1-3 class. Opportunities will be given for public performance as part of the course.							
Assessments Offered								
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91210	Demonstrate understanding of a range of choreographic processes.	2	I	4				
AS91208	Perform a theatre dance to communicate understanding of the dance.	2	I	4				
AS91205	Choreograph a group dance to communicate an intention	2	I	4				
AS91209	Perform a repertoire of dance	2	I	6				
AS91211	Provide an interpretation of a dance performance with supporting evidence (optional)	2	E	4		Y		
<i>Total number of credits available</i>							18-22	
Prerequisites	An active interest in all genres of dancing, some dance training would be helpful but not essential.							
Other Details	Material Costs							
	Expected Trips							
Where could this lead?	Theatre and Entertainment industries, tourism, teaching, sport and fitness industries.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
See Ms Keenan								

Level	3	Course name Dance (13DAN)	UE Approved Subject	Yes				
Course Overview	This course is designed for students who are actively interested in learning about the theory of multiple dance genres, as well as performance. This is a Level 1-3 composite class. Opportunities will be given for public performance as part of the course.							
Assessments Offered								
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91593	Demonstrate understanding of dance performance practices	3	I	4				
AS91591	Perform a group dance.	3	I	4				
AS91592	Perform a repertoire of contrasting dances	3	I	6				
AS91588	Produce a dance to realise a concept.	3	I	8				
AS91594	Analyse a dance performance (optional)	3	E	4		Y		Yes
<i>Total number of credits available</i>								22-26
Prerequisites	An active interest in all genres of dancing, some dance training would be helpful but not essential.							
Other Details	Material Costs							
	Expected Trips							
Where could this lead?	Theatre and Entertainment industries, tourism, teaching, sport and fitness industries.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
See Ms Keenan								

Level	2	Course Name: Digital Technologies Business (12DTB)						
Course Overview	Year 12 Digital Technologies Business (DTB) focuses on using MS Office software. The course provides the opportunity for Level 2 students to acquire skills of speed, accuracy, presentation and media design that will be of benefit to them in tertiary study, employment and as a life skill. File management and safe working practices are a significant part of the course. The focus of the course is to become proficient in the use of computers and software in a business context.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
US111 V8	Use a word processor to produce documents for a business or organisation.	2	I	5				
US107 V7	Apply text processing skills to produce communications in a business or organisational context.	2	I	5				
US29770 V1	Use the main features and functions of a spreadsheet application for a purpose	2	I	3				
US12884 V7	Create electronic documents and manage a file for generic text and information management.	2	I	3				
US12885 V7	Create and enhance electronic documents combining text and images for generic text and information management.	2	I	4				
US29771 V1	Use the main features and functions of a presentation application for a purpose	2	I	2				
US29772 V1	Manage files and folders using digital devices	2	I	2				
Total number of credits available								24
Prerequisites	Successful completion of Year 11 Digital Technologies Business course is desirable.							
Other Details	Materials	Stationery (folders for printed work); USB for backup						
Where could this lead?	Level 3 DTB course; Polytech study; office employment; and life skills.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries					
	7	7	7					
See Mr A Kumar								

Level	3	Course Name: Digital Technologies Business (13DTB)	UE Approved Subject	No				
Course Overview	Year 13 Digital Technologies Business (DTB) provides the opportunity for Level 3 students to acquire skills of speed, accuracy, presentation and media design using the MS Office range of software. File management and safe working practices are a significant part of the course. The focus of the course is to become proficient in the use of computers and software in a business context.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
US122 V8a	Provide safe and secure customer-focused reception services	3	1	5				
US32003 V1b	Create and customise business documents	3	1	6				
US32106 V1a	Use business administration tools and systems	3	1	5				
US29785 V2a	Use a word processing application to integrate images, spreadsheet and database data into documents	3	1	5				
US29786 V2a	Produce a spreadsheet for organisational use	3	1	5				
US29789 V1c	Use a presentation application to produce an interactive multimedia presentation	3	1	3				
Other Unit Standards, US29792, US29794, US29795 are also available.								
Total number of credits available								29
Prerequisites	Completion of a Year 11 or 12 digital technologies business course is desirable.							
Other Details	Materials	Stationery (folders for printed work); USB for backup.						
Where could this lead?	Polytech study: office employment; and life skills.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
See Mr A Kumar								

Level	2	Course Name: Digital Technologies Computer Science (12DTS)						
Course Overview	This course has a primary focus on Computer Programming and Computer Science. This will be an Achievement Standards course allowing some variation in the course to meet the needs of individual students. This course contains planning, designing, creating, and critical evaluation in a computer programming context. This course offers students the skills to be initiators of change and development in the world of tomorrow.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/ Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91356	Develop a conceptual design for an outcome	2	I	6				
AS91890	Conduct an inquiry to propose a digital technologies outcome	2	I	6				
AS91893	Use advanced techniques to develop a digital media outcome	2	I	4				
AS91896	Use advanced programming techniques to develop a computer program	2	I	6				
AS91898	Demonstrate understanding of a key aspect of a computer science concept	2	E	3		Yes		
AS91899	Present a summary of developing a digital outcome	2	E	3		Yes		
Other Achievement Standards, AS91891, AS91892, AS91897 are also available.								
Total number of credits available								28
Prerequisites	Successful completion of 11DTS or through consultation with the LAL Digital Technologies – Mr Kumar							
Other Details	Materials	USB and a folder for their work						
	Expected Trips	None at time of writing						
Where could this lead?	The course offers a pathway to continue with DTS in Level 3.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	28	25	19	9	13	22		
See Mr A Kumar								

Level	3	Course Name: Digital Technologies Computer Science (13DTS)				UE Approved Subject		Yes	
Course Overview		Year 13 Digital Technologies Computer Science course offers Achievement Standards as well as unit standards where necessary allowing students a choice of Standards. While the focus is on programming and computer science there is ample scope for design and creativity as well as extending students who enjoy a challenge. This course develops the skills needed to go on to University, Polytechnic, or employment and to be initiators of change and development in the world of tomorrow.							
Assessments Offered									
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>	
AS91610	Develop a conceptual Design considering fitness for purpose in the broadest sense	3	I	6					
AS91903	Use complex techniques to develop a digital media outcome	3	I	4					
AS91906	Use complex programming techniques to develop a computer program	3	I	6					
AS91907	Use complex processes to develop a digital technologies outcome	3	I	6					
AS91908	Analyse an area of computer science	3	E	3		Yes			
AS91909	Present a reflective analysis of developing a digital outcome	3	E	3		Yes			
Other Achievement Standards, AS91900, AS91901, AS91902, AS91905 are also available									
<i>Total number of credits available</i>								28	
Prerequisites	Must have Year 12 DTS or approval from LAL								
Other Details	Materials	USB and a Folder to keep their work in for the year.							
	Expected Trips	NIL							
Where could this lead?	The course offers a pathway to University, or employment								
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries			
	28	28	19	9	13	28			
See Mr A Kumar									

Level	2	Course Name Drama (12DRM)						
Course Overview	This course covers the theoretical and practical components of Theatre Performing Arts. Classic and contemporary texts are studied, and assessment is performance-based.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91216	Use complex skills associated with a drama or theatre form or period.	2	I	4		Yes	Yes	
91214	Devise and perform a drama to realise an intention.	2	I	5		Yes		
91213	Apply drama techniques in a scripted context.	2	I	4		Yes	Yes	
91218	Perform a substantial acting role in a scripted production.	2	I	5		Yes	Yes	
91215	Discuss a drama or theatre form or period with reference to a text. (optional)	2	E	4		Yes	Yes	No
Total number of credits available								18-22
Prerequisites	An active interest in the Performing Arts.							
Other Details	Materials	Book, laptop or folder for notes						
	Expected Trips	TBA						
Where could this lead?	Any career that requires you to interact with others, theatre, screen and media, tourism, hospitality, teaching.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
						22		
See Ms Keenan								

Level	3	Course Name Drama (12DRM)	UE Approved Subject					Yes
Course Overview	This course covers the theoretical and practical components of Theatre Performing Arts. Classic and contemporary texts are studied, and assessment is performance-based.							
Assessments Offered								
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91512	Interpret scripted text to integrate drama techniques in performance.	3	I	4		Yes	Yes	
91513	Devise and perform a drama to realise a concept.	3	I	5		Yes		
91517	Perform a substantial acting role in a significant production.	3	I	5		Yes	Yes	
91515	Select and use complex skills associated with a drama form or period.	3	I	4		Yes	Yes	
91514	Interpret a text from a prescribed playwright to demonstrate knowledge of a theatre form or period.(optional)	3	E	4		Yes	Yes	Yes
91519	Script a scene suitable for live performance (optional)	3	I	5		Yes		Yes
Total number of credits available								18-27
Prerequisites	An active interest in the Performing Arts.							
Other Details	Materials	Book, laptop or folder for notes.						
	Expected Trips	TBA						
Where could this lead?	Theatre/film, media, teaching, hospitality, tourism; any career that deals with interacting with others.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
				4		23		
See Ms Keenan								

Level	2	Course Name: Economics (12ECO)						
Course Overview	<p>The course is divided into five sections:</p> <ul style="list-style-type: none"> • Basic terms and concepts • Inflation • Trade • Growth • Employment. <p>The course also covers economic concepts basic to the subject. It provides a useful basis for further study at Year 13. Standards will be chosen from the following:.</p>							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91224	Analyse economic growth using economic concepts and models.	2	E	4		Yes		No
AS91225	Analyse unemployment using economic concepts and models.	2	I	4		Yes	Yes	
AS91227	Analyse how Government policies and contemporary economic issues interact.	2	I	6		Yes	Yes	
AS91228	Analyse a contemporary economic issue of special interest using economic concepts and models;	2	I	4		Yes	Yes	
Total number of credits available								18
Prerequisites	A background in Economics would be helpful.							
Other Details	Material Costs	Workbook						
Where could this lead?	Business Management studies at tertiary level; employment in business administration.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
			4	18	6	18		
See Mr Cochran								

Level	3	Course Name: Economics (13ECO)			UE Approved Subject			Yes
Course Overview	The aim of the course is to enable students to develop a continuing interest in contemporary economic issues through a detailed study of the role of the market and business in the economy and how the role may be altered by Government. On completion of the course students should be able to understand basic economic concepts and be able to apply them to current economic issues. They should also be aware of the inter-relationships between economic, social and political events. Standards will be chosen from the following:							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91399	Demonstrate understanding of the efficiency of market equilibrium.	3	E	4			Yes	Yes
AS91400	Demonstrate understanding of the efficiency of different market structures using marginal analysis.	3	E	4			Yes	Yes
AS91401	Demonstrate understanding of micro-economic concepts.	3	I	5			Yes	No
AS91402	Demonstrate understanding of government interventions to correct market failures.	3	I	5			Yes	No
<i>Maximum number of credits available</i>								18
Prerequisites	This course does not require any previous study of Economics. However, Year 11 or Year 12 Economics helps provide background for students, and an interest in understanding the way in which the New Zealand economy works is helpful.							
Other Details	Materials	Workbook						
	Expected Trips	Nil						
Where could this lead?	Business Management studies at tertiary level; employment in business administration.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
			15	19				
See Mr Cochran								

Level	2	Course Name: ELECTRONICS & DESIGN TECHNOLOGY (12ELE)	UE Approved Subject	US NO AS YES					
Course Overview	<p>Our project-based learning approach will give students valuable experience and skills while identifying and solving real-world problems. For example, design a building in Minecraft Education. Solving a problem with an Arduino.</p> <p>1. Exploring sustainability and opportunities to manage e-waste (recycling and repurposing). Education for Sustainability.</p> <p>2. Research and explore the design of buildings (Architecture). Use Minecraft Education to design a building (E.g., vertical skyfarm, modern sustainable house, and more). Work together in teams of 2.</p> <p>3. Explore solving problems using the Arduino Uno (microprocessor and electronic scaffolding). Apply basic code to Arduino/Microbit (copy and paste code from the library – minimal code writing needed – minor tweaks only). The focus is not on coding but designing a circuit to solve a real-life problem. Additional Achievement Standards are available (Conceptual Design & Brief Development).</p> <p>4. Establish links to the Sustainable Development Goals (SDGs) – Sustainable Cities and Environments: solar panels, inverters, DC batteries, regulators and more.</p> <p>5. Apply Tinker Cad – online software – to create and test circuits (e.g., a light sensor).</p>								
	Achievement Standards on offer				L2				
	AS Number	Title	L	Int/E xt	Cr	N	L	R	W
	AS 90811	Exploring how human activity has consequences for a sustainable future. Managing E-waste.	2	I	4		Yes		
	AS 91340	Use the characteristics of a design movement or era to inform design ideas.	2	I	3		Yes		
	AS 91342	Develop a spatial design through graphics practice	2	I	6		Yes		
AS 91343	Use visual communication techniques to compose a presentation of a design.	2	I	4					
AS 91354	Undertake brief development to address and issue -Arduino	2	I	4		Yes			
Possible number of AS credits available 17									
Prerequisites	Satisfactory achievement in Year 11 Electronics (Design and Visual Communication) and having some sketching abilities (2D & 3D). This course is a prerequisite for NCEA Level 3 and Year 13 NCET (Electronics & Design and Visual Communication). An interest in architecture and design is highly recommended.								
Other Details	Material Costs	Course costs: \$50. (This covers basic materials costs, plus students purchase their own low-voltage projects if required)							
	Expected Trips	None							
Where could this lead?	1	Certificate in Electronics/Degree in Architecture & Design							
	2	Teacher / Electrician / Programmer/							
	3	Product and Industrial Designer							
	4	Degree in Engineering / Electronics Engineer or Technician							
	5	Designer (Art/Industrial/Systems)							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries			
	4	28				10			
See Mr van Zyl (C10)									

Level	3	Course Name: ELECTRONICS & DESIGN TECHNOLOGY (13ELE)	UE Approved Subject	Yes			
<p>Our project-based learning approach will give students valuable experience and skills while identifying and solving real-world problems. For example, design a building in Minecraft Education. Solving a problem with an Arduino.</p> <ol style="list-style-type: none"> 1. Exploring sustainability and opportunities to manage e-waste (recycling and repurposing). Education for Sustainability. 2. Research and explore the design of buildings (Architecture). Use Minecraft Education to design a building (e.g., a modern sustainable house and more). Work together in teams of 2. 3. Explore solving problems using the Arduino Uno (microprocessor and electronic scaffolding). Apply basic code to Arduino/Microbit (copy and paste code from the library – minimal code writing needed – minor tweaks only). The focus is not on coding but on designing a circuit to solve a real-life problem. 4. Establish links to the Sustainable Development Goals (SDGs) – Sustainable Cities and Environments: solar panels, wind turbines, inverters, DC batteries, double-glazed windows and more. 5. Apply Tinker Cad – online software – to create and test circuits (e.g. a light sensor). 							
Only Achievement Standards are available.				L3	UE Lit		
AS 91735	Evaluate measures that may be taken to sustain and/or improve a biophysical environment.	3	1	4	Yes		
AS 91628	Develop a visual presentation that exhibits a design outcome to an audience.	3	1	6			
AS 91629	Resolve a spatial design through graphics practice.	3	1	6			
AS 91610	Develop a conceptual design considering fitness for purpose in the broadest sense.	3	1	6	Yes		
Possible number of AS credits available 22							
Prerequisites	Satisfactory achievement in Year 12 Electronics (Design and Visual Communication) and having some sketching abilities (2D & 3D). An interest in architecture and design is highly recommended.						
Other Details	Material Costs	Course costs: \$40.					
	Expected Trips	None.					
Where could this lead?	1	Certificate in Electronics/Degree in Architecture & Design					
	2	Teacher / Electrician / Programmer					
	3	Product and Industrial Designer					
	4	Degree in Engineering / Electronics Engineer or Technician					
	5	Designer (Art/Industrial/Systems)					
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries	
	4	4					
See Mr van Zyl (C10)							

Level	2	Course Name: Employment Skills (12EMP)	UE Approved Subject	No				
Course Overview	Transition studies prepares students for employment and citizenship by completing a range of Unit Standards to help prepare them for the future. The course content is made up of the standards listed plus additional standards to meet individual student needs.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
US4261	Identify legal rights and obligations in relation to owning and operating a private motor vehicle	2	I	3				
US3462	Demonstrate knowledge of traffic laws for the purpose of safe driving	2	I	3				
US8545	Describe factors of, contributing to and consequences of crime	2	I	3				
US4259	Describe the role of New Zealand Police and the services it provides to the community	2	I	3				
US12354	Describe implications of independent living, including renting and flatting	2	I	4				
US24871	Complete complex forms	2	I	2				
Total number of credits available								18
Prerequisites	None.							
Other Details	Materials	Nil						
	Expected Trips	Nil						
Where could this lead?	Towards becoming and independent school leaver.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	3	3	8	3	18	9		
See Mr Lynn								

Level	3	Course Name: Employment Skills (13EMP)			UE Approved Subject			No
Course Overview	Transition studies prepares students for employment and citizenship by completing a range of Unit Standards to help prepare them for the future. The course content is made up of the standards listed plus additional standards to meet individual student needs.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
US4251	Plan a career pathway	3	I	2				
US28090	Evaluate options to increase personal income	3	I	3				
US7127	How to make a good purchase	3	I	2				
US1980	Describe from an employee's perspective ways of dealing with employment relations	3	I	3				
US12356	Demonstrate knowledge of consumer problems and ways to resolve them	3	I	3				
US4251	Plan a career pathway	3	I	2				
US28099	Analyse credit options and select strategies to manage personal finances	3	I	3				
Total number of credits available								18
Prerequisites	None.							
Other Details	Materials	Nil						
	Expected Trips	Nil						
Where could this lead?	Towards becoming an independent school leaver.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	3	3	8	3	18	9		
See Mr Lynn								

YEAR 12 ENGLISH IS OPTIONAL

Level	2	Course Name: English - 1: (12ENG)						
Course Overview	In this course you will develop the ability to craft and control effective writing, and to critically analyse and write about English literature, including written and visual/oral texts. Independent reading is a crucial part of this course and you will need to be prepared to read and respond to several texts. You will be offered two' external Achievement Standards and you will be expected to work towards them throughout the year.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91098	Analyse specified aspect(s) of studied written text(s), supported by evidence	2	E	4		Yes	Yes	Yes
AS91099	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence							Yes
AS91100	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	2	E	4		Yes	Yes	Yes
AS91101	Produce a selection of crafted and controlled writing	2	I	6		Yes		Yes
AS91102	Construct and deliver a crafted and controlled oral text	2	I	3				
AS91103	Create a crafted and controlled visual and verbal text	2	I	3				
AS91106	Form developed personal responses to independently read texts, supported by evidence	2	I	4		Yes	Yes	Yes
AS91107	Analyse aspects of visual and/or oral text(s)	2	I	3		Yes		
Possible number of credits available							27	
Prerequisites	10 credits from new NCEA Level 1							
Other Details	Materials	Exercise book and Laptop						
	Expected Trips	None						
Where could this lead?	Year 13 English, tertiary courses that require or recommend English as part of degree or course prerequisites.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
See your English Teachers								

Level	2	Course Name: English - 2 (12ENI) (Internals Only)						
Course Overview	This course offers level 2 internal credits. In this course you will continue to develop the ability to craft and control effective writing, and to analyse and write about English literature, including written and visual/oral texts.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
US25073	Read texts to recognise differing points of view on a topic	2	I	3		No		
US2989	Select, read, and assess texts on a topic	2	I	3		No		
AS91104	Analyse significant connections across texts			4		yes		
AS91105	Use information literacy skills to form developed conclusions			4		Yes		
AS91107	Analyse aspects of visual and/or oral text(s)	2	I	3		Yes		
Possible number of credits available							17	
Prerequisites	None							
Other Details	Materials	Exercise book and Laptop						
	Expected Trips	None						
Where could this lead?	Level 2 credits and courses in all vocational pathways for students leaving school.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	L1 19	L1 19	L1 19	L1 19	L1 19	L1 19		
	L2 16	L2 10	L2 16	L2 16	L2 16	L2 19		
See your English teacher								

		Course Name: Year 13 English (13ENG)			UE Approved Subject		Yes	
Course Overview		This course extends and develops your ability to craft and control fluent and coherent writing, and to critically analyse and write about English literature, including written and visual/oral texts. You will be offered two external Achievement Standards and you will need to complete at least one of these if you wish to attend university in 2024. Studying English literature encourages independent thinking, learning and communicating which are essential life-long skills.						
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Reading	UE Writing
AS91472	Respond critically to specified aspects(s) of studied written text(s), supported by evidence.	3	Ex	4		Yes	Yes	Yes
AS91473	Respond critically specified aspect(s) of studied visual or oral text(s), supported by evidence.	3	Ex	4		Yes	No	Yes
AS91475	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	3	Int	6		Yes	No	Yes
AS91476	Create and develop a fluent and coherent oral text which develops, sustains, and structures ideas/ or	3	Int	3		Yes	No	No
AS91477	Create a fluent and coherent visual text which develops, sustains and structures ideas using verbal and visual language	3	Int	3		Yes	No	No
AS91478	Respond critically to significant connections across texts, supported by evidence	3	Int	4		Yes	No	No
AS91480	Respond critically to significant aspects of visual and/or oral texts(s) through close reading, supported by evidence	3	Int	3		Yes	No	No
Possible number of credits available - 12 external and 16 internal								27
Prerequisites	10 English credits at Level 2 - including 4 UE reading credits							
Other Details	Materials	Exercise book and chromebook or equivalent						
	Expected Trips	None						
Where could this lead?	Tertiary study and a wide range of careers in which a high standard of spoken and written English language is required.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	28	19	26	28	28	19		
See your English Teacher								

Level	2/3	Course Name: Gateway (12GAT / 13GAT)	UE Approved Subject	No				
Course Overview	Gateway offers students a chance to study and work towards a career in an industry of their choice. Students will complete an 80 hour work placement at a local employer during Term 2 or 3, and will also complete industry based Vocational Pathway standards in this industry area, aiming to gain a minimum of 20 credits.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
4252	Produce a targeted personal CV	2	I	2	No	No	No	No
4251	Plan a career pathway	3	I	3	No	No	No	No
4253	Obtain job search skills	2	I	3	No	No	No	No
30265	Apply health and safety risk assessment to a job role	3	I	4	No	No	No	No
<i>Total number of credits available</i>								20+
Prerequisites	A strong idea of what career industry area the student is interested in. Students need to apply for Gateway and will be interviewed before being accepted.							
Other Details	Materials	Nil – all provided						
	Expected Trips	Work placements in the local area – one day/week Term 2 or 3						
Where could this lead?	An apprenticeship or pre-trade programme at a local tertiary institute in range of trades areas including hair and beauty, engineering, automotive, primary industries, building and construction, electrical, plumbing, early childhood education, health careers, sports and recreation, tourism and hospitality.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	20	20	20	20	20	20		
See Mrs Thomas								

Level	2	Course Name: Geography (12GEO)						
Course Overview	Level Two Geography explores both natural and cultural environments and how people interact with these. Geography examines contemporary issues around the world and encourages students to analyse different perspectives. Level Two builds on ideas from level one and develops students critical thinking skills about the world they live in. Students learn many geographic skills and apply these in hands on fieldwork during the year.							
Assessments Offered								
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91243	Apply geography concepts and skills to demonstrate understanding of a given environment.	2	E	4		Yes		
91241	Demonstrate geographic understanding of an urban pattern. <i>(Crime in Chicago)</i>	2	I	3		Yes		
91244	Conduct geographic research with guidance.	2	I	5	Yes			
91247	Apply spatial analysis, with guidance, to solve a geographic problem	2	I	3				
91246	Explain aspects of a geographic topic at a global scale. <i>(Endangered species)</i>	2	I	3		Yes		
<i>Total number of credits available</i>								18
Prerequisites	Year 11 Geography is beneficial but not required.							
Other Details	Materials	As per stationery list						
Where could this lead?	Year 13 Geography, life and employment skills.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	7		11	19		9		
See Ms Osborne/Mrs Marwick								

Level	3	Course Name: Geography (13GEO)	UE Approved Subject					Yes
Course Overview	Level Three Geography explores both natural and cultural environments and how people interact with these. Geography examines contemporary issues around the world and encourages students to analyse different perspectives and courses of action. Level Three builds on ideas from level Two and develops students critical thinking skills about the world, and how to plan for a sustainable future. Students consolidate their geographic skills and apply these in hands on fieldwork during a three-night fieldtrip to the Tongariro Volcanic Centre.							
Assessments Offered								
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91426	Demonstrate geographic understanding of how interacting natural processes shape a New Zealand geographic environment (<i>Tongariro Volcanic Centre</i>)	3	E	4			Yes	Yes
91429	Demonstrate understanding of a given environment through selection and application of geographic concepts and skills	3	E	4			Yes	Yes
91428	Analyse a significant contemporary event from a geographic perspective. (<i>Eg Crankworx</i>)	3	I	3			Yes	
91430	Conduct geographic research with consultation. (<i>Vegetation patterns on Mt Ruapehu</i>)	3	I	5			Yes	
91431	Analyse aspects of a contemporary geographic issue. (<i>Eg Ramraids</i>)	3	I	3			Yes	
91432	Analyse aspects of a geographic topic at a global scale. (<i>Plastic in Ocean</i>)	3	I	3			Yes	
Total number of credits available								22
Prerequisites	Year 12 Geography is beneficial but not required.							
Other Details	Material Costs	As per stationery list						
	Expected Trips	4-day trip to Tongariro						
Where could this lead?	University courses, Urban planning, Regional Council, Global development, Environmental science, Marketing and research, Event planning and management, Law and politics, travel plans							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	4		11	22	3	6		
See Ms Osborne/Mrs Marwick								

Level	2	Course Name: History (12HIS)						
Course Overview	<p>Year 12 History focuses on several key events in History which have shaped the modern world, especially in the twentieth century. In History, students will be able to consider how events in the past still affect our world today and gain skills around problem solving, forming arguments, considering different perspectives and critical thinking.</p> <p>Some of the topics covered include:</p> <ul style="list-style-type: none"> • The 1972 Munich Olympics Massacre • Warsaw Ghetto Uprising • Battles in the Waikato and wider region • Assassinations <p>Placing ourselves as New Zealanders in the context of world history clarifies our unique place in the world. Travel overseas is also enhanced by some background knowledge of significant places.</p> <p>Students will get the chance to experience History in a hands on way with a field trip around key sites of the battle grounds.</p>							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91229	Carry out an inquiry of an historical event or place of significance to New Zealanders	2	I	4		Yes	Yes	-
91230	Examine an historical event or place of significance to New Zealanders	2	I	5		Yes	Yes	
91232	Interpret different perspectives of an historical event of significance to New Zealanders	2	I	5		Yes	Yes	
91233	Examine the causes and consequences of a significant historical event	2	E	5		Yes	Yes	Yes
<i>Total number of credits available</i>								19
Prerequisites	While Year 11 History provides a useful background, there are no prerequisites for Year 12 History.							
Other Details	Materials	N/A						
	Expected Trips	Invasion of the Waikato field trip						
Where could this lead?	Year 12 History provides a basis for the skills and concepts required for Year 13 History and Classical Studies.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	-	-	-	9	-	24		
See Miss Paton or Miss Chambers								

Level	3	Course Name: History (13HIS)	UE Approved Subject	Yes				
Course Overview	<p>The course will be split into three sections looking at a period of history that was not covered in Years 11 and 12, along with two areas of student choice. Students look at an aspect of 19th Century New Zealand and History in our own backyard. They will also focus on using evidence to unlock contested historical events based on conspiracy theories, myths and legends- Who shot JFK? Is Robin Hood real? Does Atlantis exist? Was Pearl Harbour a set up? The list goes on.</p> <p>In Level Three History, students will gain transferable skills around problem solving, critical thinking, considering different perspectives, using evidence and forming arguments.</p>							
Assessments Offered								
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91434	Research an historical event or place of significance to New Zealanders using primary and secondary sources	3	I	5			Yes	
91435	Analyse an historical event or place of significance to New Zealanders	3	I	5			Yes	-
91437	Analyse different perspectives of a contested event of significance to New Zealanders	3	I	5			Yes	-
91438	Analyse the causes and consequences of a significant historical event	3	E	6			Yes	Yes
<i>Total number of credits available</i>								21
Prerequisites	Although Year 12 History provides a background, there are no prerequisites for Year 13 History.							
Other Details	Materials	N/A						
	Expected Trips	TBC						
Where could this lead?	Students taking Level Three History will gain valuable skills that will transfer to almost any career path. These skills include, but are not limited to forming arguments, considering different perspectives and critical thinking. Possible careers are teaching, law, foreign affairs, publishing, broadcasting, social welfare, archaeologist and politician, among others.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
			10	10		10		
See Ms Paton								

Level	2	Course Name: Home Economics and Food Technology (12HEC)						
Course Overview	This course has a strong emphasis on taking action to improve health and well-being of individuals and society. Students will learn about sustainable health-enhancing change for individuals, communities and society. Practical food preparation is an important part of this course.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91299	Analyse issues related to the provision of food for people with specific food needs.	2	I	5		Yes		
AS91302	Evaluate sustainable food related practices.	2	I	5		Yes		
AS91304	Evaluate health promoting strategies designed to address a nutritional need.	2	E	4		Yes		
AS91355	Select and use planning tools to manage the development of an outcome.	2	I	4				
AS91357	Undertake effective development, make and trial a prototype.	2	I	6				
US17285	Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso beverages under supervision.	2	I	4				
US17286	Prepare and present pressed coffee for service.	2	I	2				
US17287	Prepare and present filtered coffee for service.	2	I	2				
<i>Possible number of credits available</i>								24
Prerequisites	Completion of junior Food Technology programme is desirable.							
Other Details	Material costs Expected Trips	Nil						
Where could this lead?	Level 3 Home Economics and Food Technology; Polytechnic study, Hospitality employment and life skills.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
		0	5	30	10			
See Mrs Gwengo								

Level	3	Course Name: Home Economics and Food Technology (13HEC)				UE Approved Subject		Yes
Course Overview	Students will evaluate current issues and theories of nutrition, identify and reflect on the factors that influence people's choices and behaviours. They will analyse attitudes and values that influence their own and society's well-being. Practical food preparation is an important part of this course.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/ Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91466	Investigate a nutritional issue affecting the well-being of New Zealand society.	3	I	5			Yes	
AS91643	Implement complex procedures to process a specified product.	3	I	6				
AS91609	Undertake project management to support technological practice.	3	I	4				
AS91611	Develop a prototype considering fitness of purpose in the broadest sense.	3	I	6				
AS91471	Analyse the influences of food advertising on well-being.	3	E	4				Yes
US17284	Demonstrate knowledge of coffee origin and production.	3	I	3				
US17288	Prepare and present espresso beverages for service.	3	I	5				
<i>Possible number of credits available</i>								25 AS 8 US
Prerequisites	Completion of junior Food Technology course is desirable.							
Other Details	Expected Trips	Nil						
Where could this lead?	University study – Dietetics, Food Science, Applied Consumer Science, Health Promotion, Nutrition Education; Polytech study – chef, sous chef, kitchen hand; employment in the hospitality industry; life skills.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service		Creative Industries	
	10	16	19	11	25		10	
See Mrs Gwengo								

Level	2	Course Name: Japanese (12JAP)						
Course Overview	<p>The aim of this course is to continue to develop the communication skills of reading, writing, speaking and listening and to learn more of Japanese life and culture.</p> <p>There is a scholarship opportunity to go to Japan for a successful applicant.</p> <p>Topics: Food culture, recreation, relationships and school system.</p>							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/ Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91133	Listening	2	E	4				
AS91135	Speech	2	I	5				
AS91134	Conversation	2	I	5				
AS91136	Reading	2	E	5				
AS91137	Writing	2	I	5				
Total number of credits available								24
Prerequisites	Level 1 Japanese is an advantage, but not essential. Those choosing to pick up the subject for the first time at Level 2 will need to get the Learning Area Leader (LAL) approval.							
Other Details	Materials							
	Expected Trips							
Where could this lead?	<p>Language-learning keeps career options open, and develops important communication skills.</p> <p>These are useful in the education sector and tourism, animation and manga, movie, food industry settings. Also in the areas of management, journalism, marketing, latest technology.</p> <p>It broadens students' horizons through understanding another language and culture and helps them to understand their own in more depth.</p>							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
				20	5	15		
See Mrs Sasanuma								

Level	3	Course Name: Japanese (13JAP)	UE Approved Subject	Yes				
Course Overview	<p>The aim of this course is to continue to develop the communication skills of reading, writing, speaking and listening and to learn more of Japanese life and culture.</p> <p>There is a scholarship opportunity to go to Japan for a successful applicant.</p> <p>Topics: media and entertainment, travel and tourism, employment, the environment and food culture.</p>							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91553 (3.1)	Listening	3	E	5				
AS91554 (3.2)	Speech	3	I	3				
AS91555 (3.3)	Conversation	3	I	6				
AS91556 (3.4)	Reading	3	E	5				
AS91557 (3.5)	Writing	3	I	5				
<i>Total number of credits available</i>								24
Prerequisites	Level 2 Japanese is an advantage, but not essential. Those choosing to pick up the subject for the first time at Level 3 will need to get the Learning Area Leader (LAL) approval.							
Other Details	Materials							
	Expected Trips							
Where could this lead?	<p>Language-learning keeps career options open, and develops important communication skills.</p> <p>These are useful in the education sector and tourism, animation and manga, movie, food industry settings. Also in the areas of management, journalism, marketing, latest technology.</p> <p>It broadens students' horizons through understanding another language and culture and helps them to understand their own in more depth.</p>							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	6			6	11			
See Mrs Sasanuma								

Level	2	Course Name: Mathematics 1 (12MAC)						
Course Overview	<p>This course is intended for mathematically able students who wish to pursue a career in either construction & infrastructure, manufacturing & technology or creative industries.</p> <p>Students who complete this course and are willing to continue with Mathematics at NCEA Level 3 can do Mathematics with Calculus.</p> <p>Assessment for this course is by Achievement standards. There are three internally and two externally assessed standards.</p>							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91269	Apply systems of equations in solving problems	2	I	2	Yes			
AS91257	Apply graphical methods in solving problems	2	I	4	Yes			
AS91259	Apply trigonometric methods in solving problems	2	I	3	Yes			
AS91261	Apply algebraic methods in solving problems	2	E	4	Yes			
AS91262	Apply calculus methods in solving problems	2	E	5	Yes			
<i>Total number of credits available</i>								18
Prerequisites	At least 10 credits at NCEA Level 1. These credits should include credits from at least one of the three Algebra standards at NCEA Level 1 (AS91027, AS91028 or AS91029).							
Other Details	Material Costs	Graphics calculator \$95						
	Expected Trips	None						
Where could this lead?	This will lead to Level 3 Mathematics with Calculus							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	18	18	13	6	0	9		
See Mr Smith or Mr Kemp								

Level	2	Course Name: Mathematics 2 (12MAS)						
Course Overview	<p>This course is intended for students entering Year 12 and wishing to pursue a career in either social & community service, primary, creative or service industries. Students who complete this course and are willing to continue with Mathematics at NCEA Level 3 can do Mathematics with Statistics. Assessment for this course is by Achievement standards. There are four internally and one externally assessed standards.</p>							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91256	Apply Coordinate Geometry methods in solving problems	2	I	2	Yes			
AS91264	Use statistical methods to make an inference	2	I	4	Yes	Yes		
AS91265	Conduct an experiment to investigate a situation using statistical methods	2	I	3	Yes	Yes		
AS91267	Apply probability methods in solving problems	2	E	4	Yes	Yes		
AS91268	Investigate a situation involving elements of chance using a simulation	2	I	2	Yes	Yes		
<i>Total number of credits available</i>								15
Prerequisites	At least 10 Achievement standard credits in NCEA Level 1 Mathematics.							
Other Details	Material Costs	Graphics calculator \$95						
	Expected Trips	None						
Where could this lead?	Level 3 Mathematics with Statistics							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	5	5	15	11	15	5		
See Mr Smith or Mr Kemp								

Level	3	Course Name: Mathematics with Calculus (13MAC)	UE Approved Subject	Yes				
Course Overview	This course is appropriate for students with a major interest in construction & infrastructure, manufacturing & technology and primary industries. This course will also enable students to undertake any course at a tertiary institution involving any of Mathematics, Physical Science, Engineering and Information Technology. Assessment in this course is by Achievement Standards. There are 2 internally and 3 externally assessed standards.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91573	Apply geometry of conic sections in solving problems	3	I	3				
AS91575	Apply trigonometric methods in solving problems	3	I	4				
AS91577	Apply the algebra of complex numbers in solving problems	3	E	5				
AS91578	Apply differentiation methods in solving problems	3	E	6				
AS91579	Apply integration methods in solving problems	3	E	6				
<i>Total number of credits available</i>								24
Prerequisites	At least 16 credits at NCEA Level 2 Mathematics, including Algebra and Calculus.							
Other Details	Material Costs	Graphics calculator \$95						
	Expected Trips	None						
Where could this lead?	Any tertiary institution.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	17	15	14	0	8	3		
See Mr Smith								

Level	3	Course Name: Mathematics with Statistics (13MAS)	UE Approved Subject	Yes				
Course Overview	<p>This course involves primarily the study of probability and statistics, but there are aspects of algebra and computational skills as well. Much of the course involves the practical application of Mathematics. Calculators, computers and personal learning devices are used extensively.</p> <p>This course also requires the ability to research and write reports. Many questions require considerable interpretations, so a reasonable standard of English is required. Mathematics with Statistics is intended for students considering majoring in Mathematics at university, or for those interested in biological or social sciences, medicine, commerce and administration. It also leads to a career in primary industries. Students are given the option of doing three internals and two externals, or four internals and one external (Probability Concepts 91585).</p>							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91574 (optional)	Apply linear programming methods in solving problems	3	I	3	Yes			
AS91580	Investigate time series data	3	I	4	Yes	Yes		
AS91581	Investigate bivariate measurement data	3	I	4	Yes	Yes		
AS91582	Use statistical methods to make a formal inference	3	I	4	Yes	Yes		
AS91585	Apply Probability concepts in solving problems	3	E	4	Yes			
AS91586	Apply probability distributions in solving problems	3	E	4	Yes			
Total number of credits available								20
Prerequisites	At least 12 Achievement standard credits at NCEA Level 2 Mathematics including a genuine attempt at the Probability external AS91267							
Other Details	Material Costs	Laptop/tablet, scientific calculator						
	Expected Trips	None						
Where could this lead?	Any tertiary institution							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	3	3	23	12	16	4		
See Mr Smith or Mr Kemp								

Level	2	Course Name: Music (12MUS)						
Course Information	<p>This course is a mixture between our traditional Performance Music course and the vocational industry course, which allows students to learn skills through a practical approach of music performance and production. Students will have an opportunity to perform, compose and study a wide range of music theory and music technology.</p> <p>This course is designed to lead students on to tertiary study, industry-based work or for the continued development and enjoyment of the discipline.</p> <p>Special requirements: Students must be learning an instrument either through school or community. Students must be involved in musical groups either in school or in the community and attend rehearsals when these occur.</p>							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Version</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91270	Perform two substantial pieces of music as a featured soloist.	2	I	6				
AS91274	Perform a substantial piece of music as a featured soloist on a second instrument.	2	I	3				
AS91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	2	I	4				
AS91271	Compose two substantial pieces of music.	2	I	6				
AS91276	Demonstrate knowledge of conventions in a range of scores.	3	E	4		Yes		
US27658	Demonstrate and apply knowledge of electronic music production and music notation applications	2	I	4				
US27702	Take responsibility for a production area of a performance	2	I	4				
US27700	Demonstrate and apply knowledge of stage lighting design and process for a performance context	2	I	4				
US27703	Demonstrate and apply knowledge of sound control and enhancement processes required for a performance contest	2	I	4				
Possible number of credits available								39
Prerequisites	Students wishing to sit NCEA Music must have an ability to sing or play an instrument confidently and competently, or up to at least Grade 3 level. Successful completion of Year 11 Music is desirable or in consultation with the Music Learning Area, commitment to weekly music lessons through the Itinerant Music Scheme. An audition may be required at the start of the course.							
Other Details	Materials	Year 12 Music workbook						
	Expected Trips	TBC						
Where could this lead?	Level 3 Music and a future in the Creative Industries. See Mr McIntyre for further details about possible career pathways through Music.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
						39		
See Mr McIntyre								

Level	3	Course Name: Music (13MUS)				UE Approved Subject	Yes
Course Information	<p>Year 13 Music gives the students the opportunity to create and lead their own programme-based learning on their interests and capabilities with consultation with the Music Learning Area. This course is designed to lead students on to tertiary study, industry-based work or for the continued development and enjoyment of the discipline.</p> <p>Special requirements: Students will choose at least 14 credits or more for this course and will work diligently to complete their project. Students must be learning an instrument either through school or community. Students must be involved in musical groups either in school or in the community and attend all rehearsals when these occur.</p>						
Assessments Offered							
Standard Number	Title	Version	Int/Ext	Credits		UE Lit Reading	UE Lit Writing
AS91416	Perform two programmes of music as a featured soloist	2	I	8			
AS91421	Demonstrate understanding of harmonic tonal conventions in a range of music scores	2	E	4			
AS91417	Perform a programme of music as a featured soloist on a second instrument.	2	I	4			
AS91418	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group.	2	I	4			
AS91419	Communicate musical intention by composing three original pieces of music.	2	I	8			
AS91424	Create two arrangements for an ensemble.	2	I	4			
AS91420	Integrate aural skills into written representation.	2	E	4			
AS91425	Research a music topic	3	I	6		Yes	
AS91849	Compose three original songs that express imaginative thinking	1	I	8			
US28003	Research, develop and apply a stage lighting design concept for a given work	3	I	6			
US28005	Stage-manage a production	3	I	6			
Possible number of credits available						At least 14 – up to 62 credits	
Prerequisites	Students wishing to sit NCEA Music must have an ability to sing or play an instrument confidently and competently, or up to at least Grade 4 level. Successful completion of Year 12 Music is desirable or in consultation with the Music Learning Area, commitment to weekly music lessons through the Itinerant Music Scheme. An audition may be required at the start of the course.						
Other Details	Materials	Year 13 Music Workbook					
	Expected Trips	TBC					
Where could this lead?	A future in the Creative Industries. See Mr McIntyre for further details about possible career pathways through Music.						
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries	
						62	
See Mr McIntyre							

Level	2	Course Name: Physics (12PHY)						
Course Overview	<p>Physics can be defined as the study of matter, energy and the relationship between the two. It is about how and why things (other than chemical and living) work as they do. This course provides the foundation for many other areas of Science and underpins most of the technology we use in our daily lives.</p> <p>Students need curiosity and imagination, problem-solving skills and the ability to carry out practical investigations and solve graphical and mathematical problems.</p> <p>While 26 credits are available, it is expected that students will develop an individual program of 14-16 credits.</p>							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship.	2	I	4	Yes	Yes		
AS91172	Demonstrate understanding of atomic and nuclear physics	2	I	3		Yes		
AS91170	Demonstrate understanding of waves.	2	E	4	Yes	Yes		
AS91171	Demonstrate understanding of mechanics.	2	E	6	Yes	Yes		
AS91173	Demonstrate understanding of electricity and electromagnetism.	2	E	6	Yes	Yes		
AS91169	Demonstrate understanding of physics relevant to a selected context	2	I	3		Yes		
Total number of credits available								26
Prerequisites	A pass in Level 1 Physics external standard or by application to LAL.							
Other Details	Expected Trips							
Where could this lead?	Year 12 Physics is useful, and often essential, for students intending to follow careers in many fields including Chemistry, Medicine, Veterinary Science and Engineering. It is also helpful for many trades like Electrician, Builder or Fabricator.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	26	26	23	0	26	26		
See Mr Duncan								

Level	3	Course Name: Physics (13PHY)			UE Approved Subject	Yes		
Course Overview	<p>This course offers a broad range of systems (Mechanical, Electrical and Waves). This course requires a reasonable level of competency in Year 12 Mathematics and forms an excellent platform for university Physics which is a prerequisite for many Science and medical degrees.</p> <p>While 26 credits are available, it is expected that students will develop an individual program of 14-16 credits.</p>							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS91521	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship.	3	I	4				
AS91523	Demonstrate understanding of wave systems.	3	E	4				
AS91524	Demonstrate understanding of mechanical systems.	3	E	6				
AS91525	Demonstrate understanding of Modern Physics.	3	I	3				
AS91526	Demonstrate understanding of electrical systems.	3	E	6				
AS91522	Demonstrate understanding of the application of physics to a selected context	3	I	3				
Total number of credits available								26
Prerequisites	Successful completion of Level 2 Physics							
Other Details	Expected Trips							
Where could this lead?	Year 13 Physics is useful, and often essential, for students intending to follow careers in many fields including Chemistry, Medicine, Veterinary Science and Engineering. It is also helpful for many trades like Electrician or Fabricator.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	26	26	19	0	26	0		
See Mr Duncan								

Level	2	Course Name: Sports Studies (12SPS)						
Course Overview	The course develops students' knowledge and understanding of training for physical activity and learning skills, applying risk management strategies in the outdoors and social responsibility in physical activity.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91330	Perform a physical activity in an applied setting.	2	I	4				
91329	Demonstrate understanding of application of biophysical principles to training for physical activity.	2	I	4		Yes		
91328	Demonstrate understanding of how and why biophysical principles related to the learning of physical skills.	2	I	5		Yes		
91333	Analyse the application of risk management strategies to a challenging outdoor activity.	2	I	3		Yes		
91334	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity.	2	I	3				
<i>Total number of credits available</i>								19
Prerequisites	Completion of Level 1 Sports Studies is desirable.							
Other Details	Materials	PE gear, 1B5 or 2B5						
	Expected Trips	3-day camp approximately \$80, Tough Guy/Gal						
Where could this lead?	Teaching, Event Management, Physiotherapy, Personal Training, Sports Organisation							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
			3	20	12	16		
See Mr Pilkinton								

Level	2	Course Name: Sport and Fitness (12SPF)						
Course Overview	<p>This course is internally assessed and aims to develop your existing Sport Studies skills across the theory, motor skills, attitudes and values and physical strands. Assessments include a swim/run, mountain run and an outdoor leaders' camp in Term 3. You will"</p> <ul style="list-style-type: none"> • Gain a strong emphasis on learning through participation in a variety of physical activities • Emphasise the acquisition and development on physical skills • Understand the principles of training • Be able to identify and manage risks in the outdoors. 							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Numeracy</i>	<i>UE/Lit Reading</i>	<i>UE Lit Writing</i>
AS91330	Perform a physical activity in an applied setting	2	I	4				
AS91329	Demonstrate understanding of application of biophysical principles to training for physical activity	2	I	4				Yes
AS91333	Analyse the application of risk management strategies to a challenging outdoor activity.	2	I	3				Yes
AS91334	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity.	2	I	3				
Total number of credits available								14
Prerequisites								
Other Details	Materials							
	Expected Trips							
Where could this lead?								
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
				20	12	8		
See Mr Vette								

Level	3	Course Name: Sport Studies (13SPS)				UE Approved Subject	Yes	
Course Overview	This course is approximately 50% theory/class and 50% practical. We write reports on each standard, examining Safety Managements in Mountain Biking, implementing and evaluating a training programme for Tough Guy/Gal and examining the impact of iconic sporting events in NZ society.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
91504	Analyse issues in safety management for outdoor activity in an applied setting	3	I	3		Yes		
91502	Examine a current physical activity event, trend or issue and its impact on NZ society	3	I	4		Yes	Yes	
91500	Evaluate the effectiveness of a performance improvement programme	3	I	4	Yes	Yes	Yes	
91501	Demonstrate quality performance of physical activity	3	I	4	Yes			
<i>Total number of credits available</i>								20
Prerequisites	Completion of Level 2 Sports Studies is desirable but not necessary.							
Other Details	Materials	1B5						
	Expected Trips	Tough Guy/Gal \$45 donation Mountain Biking Trip Trip \$150 donation						
Where could this lead?	Teaching, Event Management, Physiotherapy, Personal Training, Sports Organisation							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
				20	12	8		
See Mr Vette or Mr Pilkinton								

Level 2	Course Name: Te Ao Maori (12TEA)				UE Approved Subject			
Course Overview	Year 12 Te Ao Māori is a course designed to teach students about different aspects of the Te Ao Māori (the Māori World), while assisting them in gaining their NCEA qualifications. Students will be working at Level 2 of NCEA. All standards are Unit Standards that have been taken from a cross section of learning subjects							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/ Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
US 16054 v3	Maori Leader	2	I	2				
US 16033 v3	Maori Modes	2	I	4				
US16048 v3	Whanau Maraua	2	I	2				
US 16142 v4	Whakaeke	2	I	2				
US 20950 v4	Torowaewae	2	I	8				
<i>Total number of credits available</i>							18	
Prerequisites	Nil							
Other Details	Materials	Nil						
	Expected Trips	TBC						
Where could this lead?	Teacher, Police Force, Social Worker, Politician, Early Childcare, Government Departments, Film Industry							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
			18	18	18	18		
See Mr Potaka								

Level	3	Course Name: Te Ao Maori (13TEA)			UE Approved Subject			No
Course Overview	Year 13 Te Ao Māori is a course designed to teach students about different aspects of the Te Ao Māori (the Māori World), while assisting them in gaining their NCEA qualifications. Students will be working at Level 2 of NCEA. All standards are Unit Standards that have been taken from a cross section of learning subjects							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
US16032 v4	Maori Modes	3	I	6				
US 16139 v4	Kingitanga	3	I	3				
US 2571 v9	Mana Whenua	3	I	10				
US 6146 v6	Mahinga Kai	3	I	3				
<i>Total number of credits available</i>								22
Prerequisites	Nil							
Other Details	Materials	Nil						
	Expected Trips	TBC						
Where could this lead?	Teacher, Police Force, Social Worker, Politician, Early Childcare, Government Departments, Film Industry							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
				22	22	22		
See Mr Potaka								

Level	2	Course Name: Te Reo Maori (12TER)						
Course Overview	Year 12 Te Reo will be taught at NCEA Level 2 at level 7 of the curriculum. This year student learning contexts will involve, Powhiri, ngā rāwekeweke ā ngā tūpuna (famous ancestral deeds), ngā whaingā mō ngā tau ka heke mai (goals and aspirations) and Manaakitanga (caring for others). Year 12 Te Reo will be used to set a base so students can move on to Te Reo NCEA Level 3 in Year 13.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
AS 91284	Whakarongo	2	I	4		Yes		
AS 91285	Kōrero	2	I	6		Yes		
AS 91288	Waihanga Tuhinga Auaha	2	I	6		Yes		
<i>Total number of credits available</i>								18
Prerequisites	Year 11 Te Reo Maori NCEA Lv 1							
Other Details	Materials	Nil						
	Expected Trips	TBC						
Where could this lead?	Lawyer, Doctor, Nursing, Teacher, Social Work, Communications, Acting, Police Force, Foreign Diplomat, Politics							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
			18	18	18	18		
See Mr Potaka or Ms Beazley								

Level	3	Course Name: Te Reo Maori (13TER)				UE Approved Subject		Yes		
Course Overview		Year 13 Te Reo will be taught at NCEA Level 3 at level 8 of the curriculum. This year student learning contexts will vary and be based around Te Mararautanga o Aotearoa. Year 13 Te Reo will be used to set a base so students can move on to Tertiary Education.								
Assessments Offered										
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/ Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>		
91650	Whakarongo	3	I	4		Yes				
91651	Korero	3	I	6		Yes				
91652	Panui	3	E	6		Yes	Yes			
91653	Tuhituhi	3	E	6		Yes		Yes		
91654	Waihanga Tuhinga	3	I	6		Yes		Yes		
<i>Total number of credits available</i>								28		
Prerequisites										
Other Details		Material Costs	Nil							
		Expected Trips	TBC							
Where could this lead?		Lawyer, Doctor, Nursing, Teacher, Social Work, Communications, Acting, Police Force, Foreign Diplomat, Politics								
Vocational Pathways		Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries			
				28	28	28	28			
See Mr Potaka or Ms Beazley										

Level	2	Course Name Te Ao Haka (12TAH)	UE Approved Subject			
Course Overview	Aakonga at Level 2 should explore their own creativity, based on their grounding in Te Ao Haka. They innovate and experiment, exploring their own role and connections within Te Ao Haka.					
Assessments Offered						
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy
AS91980	Explore elements to create a section of a Te Ao Haka item	2	Int	6		
AS91981	Perform a Te Ao Haka item to respond to a local kaupapa	2	Int	6		
AS91982	Compare a Te Ao Haka performance and one other performance	2	Ext	4		
AS91983	Respond to a Te Ao Haka performance	2	Int	4		
Total number of credits available						
Prerequisites	10 Te Reo / Kapa Haka					
Other Details	Material Costs					
	Expected Trips					
Where could this lead?						
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries		
				*		
See Mr Potaka						

Level	3	Course Name Te Ao Haka (13TAH)	UE Approved Subject			
Course Overview	Aakonga at Level 3 will refine their performance skills and deepen their understanding of their own experience within Te Ao Haka. This is reflected in the evaluative and performance-focused nature of the standards.					
Assessments Offered						
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy
AS91984	Reflect on a personal learning journey in a discipline of Te Ao Haka	3	Int	5		
AS91985	Perform three categories within a discipline of Te Ao Haka	3	Int	5		
AS91986	Perform two Te Ao Haka disciplines	3	Ext	5		
AS91987	Demonstrate understanding of a key role within Te Ao Haka	3	Ext	5		
Total number of credits available						
Prerequisites	10 Te Reo / Kapa Haka					
Other Details	Material Costs					
	Expected Trips					
Where could this lead?						
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries		
				*		
See Mr Potaka						

Level	2	Course Name: 12 Technology Metal (12DTM)						
Course Overview	Recreational Pursuits. Students need to identify an activity they are involved or interested in. Identify the products needed to participate in the activity and further develop the apparatus for their or another person's enjoyment. The device will be initially developed to a conceptual model, tested and evaluated against their brief, then further developed to a one-off solution and finally implemented and evaluated against the brief for fitness for purpose.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
91344	Implement advanced procedures using resistant materials to make a specified product with special features	2	I	6				
91357	Undertake effective development to make and trial a prototype	2	I	6				
91354	Undertake brief development to address an issue	2	I	4				
91356	A conceptual design for an outcome	2	I	6				
<i>Total number of credits available</i>								24
Prerequisites	Pass Year 11 Technology and an interest in engineering.							
Other Details	Material Costs	\$50 for consumables plus materials supplied for project at cost.						
	Expected Trips	Waikato Engineering in action day.						
Where could this lead?	Level 3, Polytech – NZ diploma, University – engineering degree.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	20	20	14	4		20		
See Mr Pretorius or Mr Irle								

Level	3	Course Name: Technology Metal (13DTM)	UE Approved Subject	Yes				
Course Overview	Client Driven. Students are required to develop a client driven activity by modelling a conceptual idea in materials and evaluating it against their brief. Students are then required to further develop their conceptual idea to a prototype which will be implemented and evaluated for fitness for purpose.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
AS 91608	Undertake brief development to address an issue within a determined context	3	I	4				
AS 91611	Develop a prototype considering fitness for purpose in the broadest sense	3	I	6				
AS 91620	Implement complex procedures to integrate parts using resistant materials to make a specified product	3	I	6				
<i>Total number of credits available</i>								20
Prerequisites	Pass Year 12 Technology is recommended.							
Other Details	Material Costs	Subject to project design.						
	Expected Trips	Nil						
Where could this lead?	University – engineering degree, masters, PhD.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
	20	20	14	4		12		
See Mr Pretorius or Mr Irlle								

Level	2	Course Name: 12 Technology Wood (12DTW)			UE Approved Subject	No		
Course Overview	Students will complete unit standards developed by the building and construction industry training organisation (BCITO). They will learn and demonstrate knowledge of hand tools while completing three practical projects in the school's workshops.							
Assessments Offered								
Standard Number	Title	Level	Int/ Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
12927	Identify, select, maintain and use hand tools for BCATS projects	2	I	6				
12932	Construct timber garden furniture and items of basic construction equipment as a BCATS project	2	I	8				
24354	DNO Health and Safety Legislation and apply safe working practices in a BCATS environment	2	I	4				
31812	Complete a BCATS project	2	I	6				
<i>Total number of credits available</i>								19
Prerequisites	Year 11 Technology is an advantage. An interest in working with wood is essential							
Other Details	Material Costs	\$40:00 for consumables plus cost of materials for take home project						
	Expected Trips	Nil						
Where could this lead?	Level 2 and 3, Apprenticeship, Polytech – NZ diploma							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
See Mr Irle								

Level	3	Course Name: 13 Technology Wood (13DTW)			UE Approved Subject			No
Course Overview	Students will complete unit standards developed by the building and construction industry training organisation (BCITO). They will learn and demonstrate knowledge of tools and machines while completing practical projects in the schools workshops.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/ Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
29679	Develop and use BCATS project documentation for a Stage 3 BCATS project	3	I	8				
29684	Undertake a Stage 3 BCATS project	3	I	12				
<i>Total number of credits available</i>								20
Prerequisites	Year 12 technology is an advantage. An interest in working with wood/metal is essential							
Other Details	Material Costs	\$40:00 for consumables plus cost of materials for take home projects						
	Expected Trips	Nil						
Where could this lead?	Trades, Apprenticeship, Polytech – NZ diploma							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
See Mr Irle								

Level	2	Course Name: Tourism (12TOU)						
Course Overview	Level Two Tourism takes students on a journey through the industry and analyses what Tourism is and how it operates. It specifically looks at how it has developed over time and how it impacts on people and the environment. Students explore popular tourist destinations and famous attractions around the world. They also examine different work roles within the industry.							
Assessments Offered								
<i>Standard Number</i>	<i>Title</i>	<i>Level</i>	<i>Int/Ex</i>	<i>Credits</i>	<i>L1 Numeracy</i>	<i>L1 Literacy</i>	<i>UE Lit Reading</i>	<i>UE Lit Writing</i>
US24729	World Tourist Destinations	2	I	4				
US24727	Impacts on the Physical environment	2	I	3				
US24728	Work Roles in Tourism	2	I	3				
US24731	Destination New Zealand	2	I	4				
US24726	Social and Cultural impacts	2	I	3				
US24732	Tourist Characteristics	2	I	3				
Total number of credits available								20
Prerequisites	N/A							
Other Details	Materials	As per stationery list.						
	Expected Trips	Possibility of trip to Rotorua or Waitomo Caves.						
Where could this lead?	Year 13 Tourism, life and employment skills. A career in the Tourism Industry.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
See Ms Osborne or Miss Chambers								

Level	3	Course Name: Tourism (13TOU)	UE Approved Subject	No				
Course Overview	Level Three Tourism takes students on a journey through the industry and analyses what Tourism is and how it operates. Students explore popular tourist destinations around the world, with a focus on The Pacific Islands and Australia, and the natural and cultural attractions and activities promoted within New Zealand. As the leading export earner in New Zealand, Tourism offers a wealth of career possibilities.							
Assessments Offered								
Standard Number	Title	Level	Int/Ex	Credits	L1 Numeracy	L1 Literacy	UE Lit Reading	UE Lit Writing
US3727	Demonstrate Knowledge of Pacific Islands as a Tourist Destination	3	I	5				
US378	Provide customer service for international visitors	3	I	3				
US17788	Identify and explain the history of natural attractions and significant sites in Maori tourism	3	I	5				
US24725	Describe and Analyse the Economic Significance of Tourism	3	I	4				
US18211	Demonstrate Knowledge of Australia as a Tourist Destination	3	I	5				
Total number of credits available								22
Prerequisites	N/A							
Other Details	Materials	As per stationery list.						
	Expected Trips	Possibility of trip to Rotorua or Waitomo Caves.						
Where could this lead?	Polytechnic courses, life and employment skills, a career in the tourism industry.							
Vocational Pathways	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Service	Creative Industries		
				22				
See Ms Osborne								

