

COURSE BOOKLET

YEAR 13

2019

Taupo-nui-a-Tia College Course Planning

Timeline for Course Selection

Term III

- Week 4**
- Course booklets given out to Years 10, 11, 12
 - Read the booklet
 - Complete the **Course Planning Sheet**.

Week 6-8 Students can complete course selection online.

Week 8 **Course Information Day (during Whanau Day)**
Wednesday 12 September, Library
9.00am to 6.00pm
 Parents and students are welcome to come and discuss course choices.

Weeks 8 + 9 **Course Interview**
 Students bring the **Course Planning Sheet** to the interview.

Term IV

Course selection letter sent home to confirm choices early in Term IV.

Unit Standards and/or Achievement Standards may change.
At times other courses may become available for the following year.

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LITERACY REQUIREMENTS FOR UNIVERSITY ENTRANCE

Levels 2 and 3 Achievement Standards that Contribute

10 credits from the standards (5 credits in reading and 5 credits in writing) are required to meet the University Entrance literacy requirements.

Reading and Writing Column

Y = Yes meets UE requirement. N = No does not meet UE requirement.

For standards that meet both reading and writing requirements it is possible to split the standard to fulfil the university entrance literacy requirement. For example, English (91472) can contribute 2 credits to the reading requirement and 2 credits to the writing requirement.

REQUIREMENTS FOR UNIVERSITY ENTRANCE

University Entrance (UE) is the minimum requirement to go to a New Zealand university. To qualify you will need:

- NCEA Level 3.
- Three subjects at Level 3, made up of 14 credits each, in three [approved subjects](#).
- Literacy: [10 credits at](#) Level 2 or above, made up of:
 - 5 credits in reading
 - 5 credits in writing.
- Numeracy: 10 credits at Level 1 or above, made up of:
 - Achievement Standards; specified achievement standards available through a range of subjects, or
 - Unit Standards; package of three numeracy unit standards (26623, 26626, 26627, **all** three required).
- Once you have met the requirements for University Entrance it will appear on your Record of Achievement.
- Credits can be accumulated over more than one year.

Approved Subjects for University Entrance

- Subjects available at Taupo-nui-a-Tia College are listed in the course booklet. Applicants to New Zealand universities require credits in approved subjects.
- In The Year 12 and 13 Course Booklets, Y= Yes, these standards qualify for UE.

NB: Some subjects do not have enough credits needed to qualify for UE 14 approved credits, eg. 13ODL.

These credits can be combined with other credits in the domain Physical Education. Check the NZQA website for further information.

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

10 Credits at Level 1 (or higher) in Mathematics (approved standards only)	+	5 reading Credits and 5 writing Credits at Level 2 (or higher) in specified standards	+	14 Credits at Level 3 (or higher) in an approved subject	+	14 Credits at Level 3 (or higher) in an approved subject	+	14 Credits at Level 3 (or higher) in an approved subject	+	Attain NCEA Level 3	= UNIVERSITY ENTRANCE
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REQUIREMENTS FOR UNIVERSITY ENTRANCE

Level 3 Approved Subjects for University Entrance

Subjects available at Taupo nui-a-Tia College are listed in the **Subject Progression** sheet in the course booklet. Please check that the subjects you take in Year 11 lead to Level 3 approved subjects if you wish to go to university. Applicants to New Zealand universities require credits in approved subjects.

Approved Subject	Achievement Standards	Approved Subject	Achievement Standards
Accounting	91404, 91405, 91406, 91407, 91408, 91409.	History	91434, 91435, 91436, 91437, 91438, 91439.
Agriculture & Horticulture	91528, 91529, 91530, 91531, 91532.	History of Art	91482, 91483, 91484, 91485, 91486, 91487, 91488, 91489.
Biology	91601, 91602, 91603, 91604, 91605, 91606, 91607.	Home Economics	91466, 91467, 91468, 91469, 91470, 91471.
Business Studies	91379, 91380, 91381, 91382, 91383, 91384, 91385.	Indonesian	91645, 91646, 91647, 91648, 91649.
Calculus	91573, 91574, 91575, 91576, 91577, 91578, 91579, 91587.	Japanese	91553, 91554, 91555, 91556, 91557.
Chemistry	91387, 91388, 91389, 91390, 91391, 91392, 91393.	Korean	91558, 91559, 91560, 91561, 91562.
Chinese	91533, 91534, 91535, 91536, 91537.	Latin	91506, 91507, 91508, 91509, 91510, 91511.
Classical Studies	91394, 91395, 91396, 91397, 91398.	Mathematics	91573, 91574, 91575, 91576, 91577, 91578, 91579, 91587 and 91580, 91581, 91582, 91583, 91584, 91585, 91586.
Construction and Mechanical Technologies	91620, 91621, 91622, 91623, 91624, 91625, 91626 and 91627, 91628, 91629, 91630, 91631 and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91643, 91644 and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619.	Media Studies	91490, 91491, 91492, 91493, 91494, 91495, 91496, 91497.
Cook Islands Maori	91538, 91539, 91540, 91541, 91542.	Music Studies	91416, 91417, 91418, 91419, 91420, 91421, 91422, 91423, 91424, 91425.
Dance	91588, 91589, 91590, 91591, 91592, 91593, 91594, 91595.	Painting (Practical Art)	91441, 91446, 91451, 91456 and 91460.
Design (Practical Art)	91440, 91445, 91450, 91455 and 91460.	Photography (Practical Art)	91442, 91447, 91452, 91457 and 91460.
Design and Visual Communication	91627, 91628, 91629, 91630, 91631 and 91620, 91621, 91622, 91623, 91624, 91625, 91626 and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91643, 91644 and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619.	Physical Education	91498, 91499, 91500, 91501, 91502, 91503, 91504, 91505, 91789.
Digital Technologies	91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91643, 91644 and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619.	Physics	91521, 91522, 91523, 91524, 91525, 91526, 91527.
Drama	91512, 91513, 91514, 91515, 91516, 91517, 91518, 91519, 91520.	Printmaking (Practical Art)	91443, 91448, 91453, 91458 and 91460.
Earth and Space Science	91410, 91411, 91412, 91413, 91414, 91415.	Processing Technologies	91643, 91644 and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91627, 91628, 91629, 91630, 91631 and 91620, 91621, 91622, 91623, 91624, 91625, 91626 and 91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619.
Economics	91399, 91400, 91401, 91402, 91403.	Religious Studies	90825, 90826, 90827, 91725.
Education for Sustainability	90828, 90831, 90832, 91735, 91736.	Samoan	91563, 91564, 91565, 91566, 91567.
English	91472, 91473, 91474, 91475, 91476, 91477, 91478, 91479, 91480.	Science	91601, 91602, 91603, 91604, 91605, 91606, 91607 and 91387, 91388, 91389, 91390, 91391, 91392, 91393 and 91410, 91411, 91412, 91413, 91414, 91415 and 91521, 91522, 91523, 91524, 91525, 91526, 91527.
French	91543, 91544, 91545, 91546, 91547.	Sculpture (Practical Art)	91444, 91449, 91454, 91459 and 91460.
Geography	91426, 91427, 91428, 91429, 91430, 91431, 91432, 91433.	Spanish	91568, 91569, 91570, 91571, 91572.
German	91548, 91549, 91550, 91551, 91552.	Social Studies	91596, 91597, 91598, 91599, 91600.
Health Education	91461, 91462, 91463, 91464, 91465.	Statistics	91580, 91581, 91582, 91583, 91584, 91585, 91586.
		Technology	91608, 91609, 91610, 91611, 91612, 91613, 91614, 91615, 91616, 91617, 91618, 91619 and 91643, 91644 and 91632, 91633, 91634, 91635, 91636, 91637, 91638, 91639, 91640, 91641, 91642 and 91627, 91628, 91629, 91630, 91631 and 91620, 91621, 91622, 91623, 91624, 91625, 91626.
		Te Reo Māori	91650, 91651, 91652, 91653, 91654.
		Te Reo Rangatira	90536, 90785, 90786, 90787, 90788, 90789, 90790, 90791.
		Tongan	91679, 91680, 91681, 91682, 91683.

2019 Course Selection Online (Y11-13)

This year you are able to make your course selection online, at home or at school. You will still have a course selection interview with a senior member of staff as well to confirm your course.

Instructions:

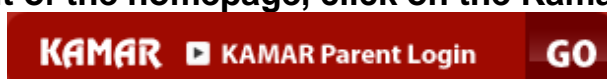
Before you begin this process, make sure you have chosen ALL your preferred subjects for next year. Year 11 and 12 have six subjects, Year 13 have five subjects.



Go to the college website www.taupocollege.ac.nz



At the bottom right of the homepage, click on the Kamar Portal Login Tab.



Use your college network login username and password.



From the left hand side of the screen select Course Selection.



Use the scroll down tabs to make your selections. Ensure you make a selection in every box. There are some compulsory subjects such as English at Year 11 and Year 12. You must choose the appropriate level class for each subject, eg. 11EN1 or 11EN2. You will find the compulsory subjects in the first boxes.



For non-compulsory subjects, choose your subjects in order of priority, with most preferred subject first.



Make sure you select the correct year for the course that you choose, eg. 12MA1 or 11MA1.



Save your selections.

NB: You will not be able to save unless you have made a selection in every box.

This facility will only be available from **3:30pm, Friday 31 August** through to **12 Noon on Thursday 13 September**.

You can return to change your selections up until Thursday 13 September.

What are the Vocational Pathways?



The Vocational Pathways provide new ways to achieve NCEA Levels 1, 2 and 3 and develop pathways that progress to further study, training and employment. Achieving NCEA Level 2 is the foundation for success in further education and the world of work. Level 3 builds upon this through shared opportunities across school, tertiary, and industry training. The Vocational Pathways provide a framework for students to show how their learning and achievement is valued in the workplace by aligning learning to the skills needed for industry.

The six Vocational Pathways are:

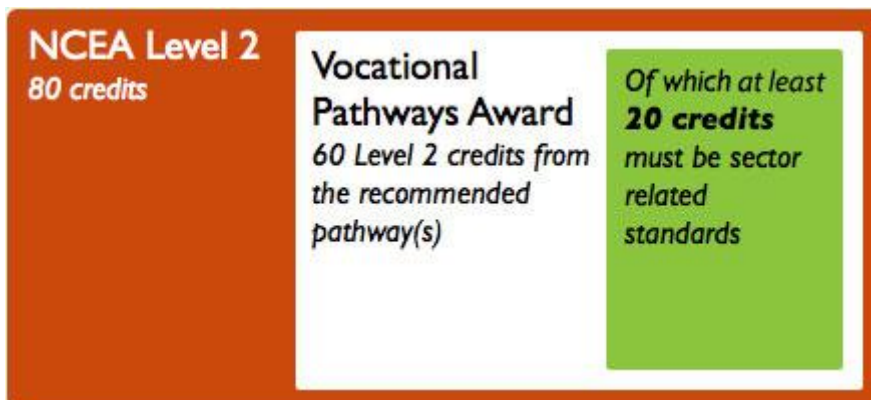
- Primary Industries
- Services Industries
- Social & Community Services
- Manufacturing & Technology
- Construction & Infrastructure
- Creative Industries

Level 2 Vocational Pathways Award

The award enables employers to assess more easily whether potential employees' skills align with their industry requirements.

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. 10 of these credits must satisfy the literacy requirements, and 10 of these credits must satisfy the numeracy requirements. For more information about NCEA go to the [NZQA website](https://www.nzqa.govt.nz/). To get a Vocational Pathways Award, a minimum of 20 Level 2 credits must be from sector-related standards, with the remaining from recommended standards to make up 60 pathway credits in total.

The following diagram shows this relationship:



Level 3 Vocational Pathways

Level 3 Achievement Standards and current Levels 3–7 local, national, and New Zealand qualifications have been mapped to Vocational Pathways to provide students with an ongoing pathway. [The maps](#) help students intending to study towards NCEA Level 3 and other Level 3 qualifications to make informed choices about their study options in relation to the type of degree-level study they wish to pursue.

ENGLISH & LANGUAGES FACULTY

ENGLISH (01) – ACADEMIC – Level 3

CODE: EN1

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

Students must achieve 18 credits at Level 2 and include two externally assessed standards and one internally assessed standard at Merit level or higher, with Merit or Excellence Endorsement.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

COURSE DESCRIPTION

This course is designed for students who plan to attend university.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91472	1	Respond critically to specified aspects of studied written texts, supported by evidence	3	4	Y	Y	Y	Ext	R	R	R	R	R	
91473	1	Respond critically to specified aspects of studied visual or oral texts, supported by evidence	3	4	N	Y	Y	Ext	R	R	R	R	R	
91474	1	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	3	4	Y	Y	Y	Ext	R	R	R	R	R	
91475	1	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	3	6	N	Y	Y	Int	R		R	R	R	R
91478 or	1	Respond critically to significant connections across texts, supported by evidence	3	4	N	N	Y	Int	R	R	R	R	R	R
91479	1	Develop an informed understanding of literature and/or language using critical texts	3	4	Y	N	Y	Int	R		R	R	R	R

Assessment: 3 x internal achievement standards, 3 x external achievement standards, total 22 credits.
Term III school examinations

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

ENGLISH (02) – FROM PAGE TO SCREEN – Level 3 CODE: EN2

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

Students must achieve 14 credits at Level 2 and include one externally assessed standard and two internally assessed standards.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

COURSE DESCRIPTION

The students in this course will read and view texts that have been converted from written to visual forms, *i.e.* from novels, short stories and poems to movies. You will also be required to create a visual text.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91472	1	Respond critically to specified aspects of studied written texts, supported by evidence	3	4	Y	Y	Y	Ext	R	R	R	R	R	
91473	1	Respond critically to specified aspects of studied visual or oral texts, supported by evidence	3	4	N	Y	Y	Ext	R	R	R	R	R	
91477	1	Create a fluent and coherent visual text which develops, sustains, and structures ideas using visual and verbal language	3	3	N	N	Y	Int	R		R	R	R	R
91478	1	Respond critically to significant connections across texts, supported by evidence	3	4	N	N	Y	Int	R	R	R	R	R	R
91480	1	Respond critically to significant aspects of visual and/or oral texts through close reading, supported by evidence	3	3	N	N	Y	Int						R

Assessment: 3 x internal achievement standards, 2 x external achievement standards, total 18 credits.
Term III school examinations

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

FRENCH – Level 3

CODE: FRE

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

12 credits NCEA Level 2.

Course Length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 6 hours

COURSE DESCRIPTION

In line with the National French Curriculum the content for the senior school (Year 13) is based on a thematic approach. Through the study of a number of themes the students will be encouraged to extend and develop their ability to communicate in the four language skills. The vocabulary and structures are those of level 8 of the curriculum.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91543	2	Demonstrate understanding of a variety of extended spoken French texts	3	5	N	N	Y	Ext					R	
91544	2	Give a clear spoken presentation in French that communicates a critical response to stimulus material	3	3	N	N	Y	Int						
91545	3	Interact clearly using spoken French to explore and justify varied ideas and perspectives in different situations	3	6	N	N	Y	Int				R	R	R
91546	1	Demonstrate understanding of a variety of extended written and/or visual French texts	3	5	N	N	Y	Ext						
91547	3	Write a variety of text types in clear French to explore and justify varied ideas and perspectives	3	5	N	N	Y	Int				R		

Assessment: 3 x Internal Achievement Standards, 2 x External Achievement Standards, total 24 credits. Term III School examinations.

Course Leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

JAPANESE – Level 3

CODE: JAP

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

9 Credits NCEA Level 2 Japanese.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 8 hours

Special conditions:

It is recommended that students purchase the NCEA Level 3 course booklet at approximately \$20.

It is recommended students pay an access fee of approximately \$20 to enable them to log on to the 'Education Perfect' website.

Field Trips:

Possible Japanese language study camp.

COURSE DESCRIPTION

Year 13 is an integrated programme which provides a progressive development of language skills and cultural knowledge attained in Levels 1 to 8 of the Japanese curriculum (Years 9 to 13). Students will be encouraged to consolidate, extend and become more diverse in all four language skills, as well as deepening and extending their awareness of a variety of aspects of Japanese life. The vocabulary and grammar structures at this level of study will occur in extended conversations and written work based on Levels 7 to 8 of the Japanese curriculum. Through the study of four topics, and the revision of Level 2 topics, students will master the reading and writing of 200 basic kanji and grammar points for the Level 3 achievement standards examination.

Certificates: ALC Certificate Level 3.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C	M	P	S	S	C
91553	2	Demonstrate understanding of a variety of extended spoken Japanese texts.	3	5	N	N	Y	Ext					R	
91554	2	Give a clear spoken presentation in Japanese that communicates a critical response to stimulus material	3	3	N	N	Y	Int						
91555	3	Interact clearly using spoken Japanese to explore and justify varied ideas and perspectives in different situations	3	6	N	N	Y	Int				R	R	R
91556	1	Demonstrate understanding of a variety of extended written and/or visual Japanese texts.	3	5	N	N	Y	Ext						
91557	3	Write a variety of text types in clear Japanese to explore and justify varied ideas and perspectives	3	5	N	N	Y	Int				R		

Assessment: 3 x internal achievement standards 14 credits, 2 x external achievement standards 10 credits, total 24 credits.

Term III school examinations.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

Te Reo Māori and Te Reo Rangatira standards fulfil the literacy requirement for University Entrance. Literacy must be in either Te Reo Māori or English, it cannot be a combination of both.

TE REO ME NGĀ TIKANGA MĀORI – Level 3

CODE: MAO

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

It is preferable that students have gained credits at NCEA Level 2 Te Reo Māori

Course Length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	6 hours
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Special Conditions:

It is recommended students pay an access fee of approximately \$20 to enable them to log on to the 'Education Perfect' website for Online Vocabulary.

Field Trips:

Manu Kōrero regional and national speech competitions, Curriculum topic marae stay.

COURSE DESCRIPTION

The course aims to cultivate Wairua Māori and increase student enjoyment in using te reo Māori. Students will develop a sensitivity and respect for Te Ao Māori and Tikanga Māori. Students are expected to research and be able to express, expound and justify their thoughts on Te Ao Māori and Tikanga Māori kaupapa.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91650	2	Whakarongo kia mōhio ki te reo Māori o te ao whānui	3	4	N	N	Y	Int	R	R	R	R	R	R
91651	2	Kōrero kia whakamahi i te reo Māori o te ao whānui	3	6	N	N	Y	Int	R	R	R	R	R	R
91652	2	Pānui kia mōhio ki te reo Māori o te ao whānui	3	6	Y	N	Y	Ext	R	R	R	R	R	R
91653	2	Tuhi i te reo Māori o te ao whānui	3	6	N	Y	Y	Ext	R	R	R	R	R	R
91654	2	Waihanga tuhinga whai take i te reo Māori o te ao whānui	3	6	N	Y	Y	Int	R	R	R	R	R	R
17784	7	Examine and recite appropriate karakia in tourism Māori	3	5	N	N	N	Int						R
16032	4	Examine the use of whakataukī, mōteatea, and pakiwaitara in transmitting Māori history	3	6	N	N	N	Int						R
17384	7	List and use a range of te reo Māori greetings and farewells in tourism	3	3	N	N	N	Int						R
17383	7	Explain the importance, and demonstrate correct pronunciation, of Māori place names	3	3	N	N	N	Int						R

Assessment: 3 x Internal Achievement Standards.
2 x Internal Unit Standards.
2 x External Achievement Standards.

Course Leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

MEDIA STUDIES – Level 3

CODE: MED

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

NCEA Level 2 English 14 credits. One external achievement standard.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Field Trips:

- Taupo Times, two days

COURSE DESCRIPTION

Media studies focuses on learning about the modern media we encounter every day. It will teach students to discuss and analyse both the medium and message. It will teach students to look at film, television, newspaper, magazine and radio and their effects on society today.

Students considering media studies could be on a career pathway to journalism, public relations, communications, human resource, design work.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91493	1	Demonstrate understanding of a relationship of a media genre and society	3	4	Y	Y	Y	Ext						R
91492	1	Demonstrate understanding of the media representation of an aspect of NZ culture or society	3	3	N	N	Y	Int						R
91491	1	Demonstrate understanding of a text through different readings	3	3	N	N	Y	Int						R
91495	1	Produce a media product to meet the requirements of a brief (optional)	3	6	N	N	Y	Int						R
91496	1	Demonstrate understanding of a significant development in the media	3	3	N	N	Y	Int				R	R	
91497	1	Write a media text to meet the requirements of a brief	3	3	N	Y	Y	Int				R		R

Assessment: 5 x internal achievement standards, 1 external standard total 22 credits.
Term III school examinations.

Course leads to: University degrees majoring in Media Studies, Bachelor of Communications, Public Relations.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

MATHEMATICS FACULTY

CALCULUS – Level 3

CODE: MWC

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

At least 13 Level 2 credits that must include 91261 (algebra) (2.1), 91262 (calculus) (2.6) preferable at merit or higher.

Course Length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	4 hours
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Special Conditions:

It is recommended that students have a Casio FX 9750GA Plus graphics calculator, approximately \$115, and a Calculus Workbook approximately \$20.

COURSE DESCRIPTION

This course is based on Level 8 of mathematics in the New Zealand Curriculum. It is designed for students who have coped comfortably with Level 2 mathematics achievement standards. Topics covered are algebra, trigonometry, differentiation, integration, complex numbers.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91578	2	Apply differentiation methods in solving problems	3	6	N	N	Y	Ext	R	R	R		R	
91579	2	Apply integration methods in solving problems	3	6	N	N	Y	Ext	R	R	R			
91575	2	Apply trigonometric methods in solving problems	3	4	N	N	Y	Int	R	R				
91577	2	Apply the algebra of complex numbers in solving problems	3	5	N	N	Y	Ext						

Assessment: 1 x internal achievement standards, 3 x external achievement standards, total 21 credits Term III school examinations. Alternative internal standards may be offered as required.

Course Leads to: Tertiary level courses in mathematics. A knowledge of mathematics with calculus is required for tertiary level courses in science, engineering, architecture, economics, finance, psychology and medicine.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

STATISTICS – Level 3

CODE: MWS

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

Recommendation from teacher of Level 2 Mathematics and 15 L2 credits which must include 1) AS91256 or AS91269; 2) AS91265 or AS91264 or one from either of the two English standards AS91098 or AS91099; and 3) the external AS91267.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Special conditions:

It is recommended that students bring their own device eg laptop, chromebook or similar. For the externals, a Casio FX 9750GA Plus graphics calculator is highly recommended. Though expensive, students are at a disadvantage in external examinations without it.

COURSE DESCRIPTION

The course covers an introduction to probability theory and to the analysis of data, in preparation for university level statistics papers. Analysis of data will require students to complete research and write analytical reports. These reports are generally 3-5 pages long and require a good level of literacy. The course is assessed through Level 3 achievement standards. Entry for the external achievement standards is dependent on passing the appropriate formative assessment.

This course is accessible for students from 12MAE and 12MAS who have a satisfactory record of learning. 12MAN students will not be academically prepared for the material covered in the course.

Std	Ver s	Title	Level	Credit s	Reading	Writing	Approved Subject for UE	Internal or External	C I	M T	P I	S I	S C	C R
91580	2	Investigate times series data*	3	4	N	N	Y	Int				R	R	
91582	2	Use statistical methods to make a formal inference*	3	4	N	N	Y	Int				R	R	R
91585	2	Apply probability concepts in solving problems	3	4	N	N	Y	Ext				R	R	R
91586	2	Apply probability distributions in solving problems	3	4	N	N	Y	Ext				R	R	R
91581	2	Investigate bivariate measurement data*	3	4	N	N	Y	Int				R		

Assessment: 3 internal achievement standards, 2 external achievement standards, total 20 Level 3 credits. Term III school examinations.

*these standards will require written reports

Course leads to: University study in a wide range of areas that require statistical analysis of data.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

MATHEMATICS– Level 3

CODE: MAT

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

- 12 Level 2 credits from Year 12 Mathematics (1) or (2) courses.
- Evidence of maintaining a complete set of class work from Level 2 course or recommendation from the teacher in charge of Level 3 mathematics.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 1-2 hours

COURSE DESCRIPTION

This course is based off Level 8 of mathematics in the New Zealand Curriculum with a focus on how mathematics can be applied to all areas of the 'Science, Technology, Engineering, Mathematics' (STEM) framework. The course will be run in a 'flipped' manner in which, with guidance, students will be able to branch out and investigate different situations.

Standard	Vers.	Title	Lvl	Cr	Read	Write	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91575	2	Apply trigonometric methods in solving problems	3	4	N	N	Y	Int	R	R				
91574	2	Apply linear programming methods in solving problems	3	3	N	Y	Y	Int	R	R	R			
91260	3	Apply network methods in solving problems	2	2	N	N	N	Int	R	R	R	R	R	R
91576	2	Use critical path analysis in solving problems	3	2	N	N	Y	Int	R		R		R	
91587	2	Apply system of simultaneous equations in solving problems	3	3	N	N	Y	Int	R	R	R			
91573	2	Apply the geometry of conic sections in solving problems	3	3	N	N	Y	Int	R	R				R

Assessment: 2 x Level 2 credits and 12+ Level 3 credits.

Course leads to: Tertiary level of study in the STEM areas, but not university level study of mathematics or statistics.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

HEALTH & PHYSICAL EDUCATION

FACULTY

HEALTH – Level 3

CODE: HEA

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

- Completed Level 1 or 2 Health or negotiation with the teacher in charge
And
- NCEA Level 2 English 14 credits.

Course Length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 2 hours

COURSE DESCRIPTION

This course will develop an understanding of the factors which influence the health of individuals, groups and society. Topics covered include teenage pregnancy, cancer, depression, euthanasia and fertility. We study the consequences for personal, interpersonal and societal well-being related to these issues and the strategies needed to bring about health-enhancing change. A high level of independent research is necessary and the course will encourage students to develop empathy and other skills related to the health and social service sector.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91461	2	Analyse an adolescent health issue	3	5	Y	N	Y	Int				R	R	R
91462	2	Analyse an international health issue	3	5	Y	Y	Y	Int				R	R	R
91463	2	Evaluate health practices currently used in New Zealand	3	5	Y	N	Y	Int					R	R
91464	2	Analyse a contemporary ethical issue in relation to wellbeing	3	4	Y	N	Y	Int				R	R	R

Assessment: 3 x internal achievement standards, 1 x external achievement standard, total 19 credits.
Term III school examinations.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

PHYSICAL EDUCATION – Level 3

CODE: PED

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

Recommendation by your Year 12 physical education teacher or entry at the discretion of the Head of Faculty, Health & Physical Education, if you have not taken this subject before.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Special conditions:

It is recommended that students purchase the Year 13 PE workbook, attend the paddle board sessions and camp and complete the Tough Guy & Gal challenge.

It is recommended students pay the course costs of \$175.

Other information:

There is a camp in term 1 where students are assessed on their performance of a skill. We also use the Tough Guy and Gal challenge as our event in term 3 for our training programme.

COURSE DESCRIPTION

This course is based on level 8 of HPE in the New Zealand curriculum and is aimed at students who wish to study Physical Education in greater detail. We offer four compulsory achievement standards worth 15 credits and the option of completing a fifth achievement standard or an injury prevention unit standard. The course is 100% internally assessed, with a 50/50 practical/theory aspect.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91502	2	Examine a current physical activity, event, trend, or issue and its impact on New Zealand	3	4	Y	N	Y	Int				R	R	
91499	2	Analyse a physical skill performed by self or others.	3	3	N	N	Y	Int				R	R	R
91500	2	Evaluate the effectiveness of a performance improvement programme.	3	4	N	N	Y	Int				R		R
91501	2	Demonstrate quality performance of a physical activity in an applied setting.	3	4	N	N	Y	Int				R		R
20673	3	Demonstrate knowledge of injury prevention and risk and injury management in sport or recreation.	3	4	N	N	N	Int						
91503	2	Evaluate the use of health promotion to influence participation in physical activity.	3	5	N	N	Y	Int				R	R	

Assessment: 4 x internal achievement standards, total 15 credits.
Optional 1 x internal achievement standard, 5 credits OR
 1 x unit standard, 3 credits

Course leads to: Tertiary qualifications (university or polytechnic).

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

SPORT AND RECREATION – YEAR 13

CODE: SAR

- NZQA qualifications:**
- Unit standards.
 - Achievement standards.

Prerequisites:

- Successful applicants will be expected to be physically fit and willing and able to participate in a number of different activities.
- Successfully completed Year 12 sport and outdoor education or Level 2 physical education, or at the discretion of Head of Faculty.

Course length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	2 hours
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Special conditions:

- It is recommended the students complete the Empower fitness gym programme and attend the Tough Guy & Gal challenge. It is recommended students pay the course costs of approximately \$115 which includes travel.

COURSE DESCRIPTION

This course caters for students with a genuine interest in sport and the recreation. The programme will introduce students to sport injury management, personal wellbeing, basic use of gym equipment, as well as outdoor recreational activities. A range of sporting and recreational activities will be included in this course in support of these, including basic personal training, basic gym instructing etc. This is not an approved UE subject.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
22265	1	Demonstrate knowledge of exercise prescription	3	7	N	N								
7021	3	Demonstrate exercise techniques	3	8	N	N		Int						
20673	3	Demonstrate knowledge of injury prevention and risk	3	4	N	N		Int						
91501	2	Perform a Physical Activity in and applied setting	3	4	N	N	Y	Int				R		R

Assessment: 1 x achievement standard, 4 credits.
6 x internal unit standards, 16 credits. Total 21 credits.
Term III school examinations.

Course leads to: Tertiary studies in the recreation, sport and fitness industry.
A career in sport or outdoor activities.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

OUTDOOR EDUCATION & LEADERSHIP – Level 3 CODE: ODL

NZQA Qualifications: NCEA Level 3 – Unit Standards based.

Prerequisites:

There are no prerequisites for the course. A moderate level of fitness and an interest in the outdoors is of benefit.

Course length: One year	Class hours per fortnight: 7.5 hours	Homework hours per fortnight: 3 hours
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Special conditions:

- This is a practical course that involves one weekend per term away on a trip and three days in the September holidays which will be at least two overnights. Also one evening every second week will be used as an evening practical. It is recommended that students attend all field trips. It is recommended that students pay the course costs of approximately \$300.

Field Trips:

- There will be four field trips.

COURSE DESCRIPTION

This course provides life-long lessons for student by increasing self-esteem, resilience, organisational and communication skills. Year 13 outdoor education and leadership offers a wide range of opportunities that take advantage of the world class outdoor environment that Taupo has to offer. The main pursuits that will be taught are bush, tramping, survival skills and sea kayaking. After our students have had time to learn how to manage themselves, the year will finish with taking a primary school group for an outdoor education experience with our students as the instructors.

This course is a platform for preparing students who are interested in developing themselves and who want a stepping stone to further education in the adventure tourism industry.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91502	2	Examine a current physical activity event, trend, or issue and its impact on New Zealand Society (white water rafting and mountain biking)	3	4	Y	N	Y	Int					R R	
26246	1	Demonstrate mountain biking knowledge and skills	3	5	N	N	N	Int						
26249	1	Demonstrate bushwalking knowledge and skills	3	5	N	N	N	Int						
91504	2	Analyse issues in safety management for outdoor activity to devise safety management strategies (sea kayaking)	3	3	N	N	N	Int					R R	
19428	2	Prepare for sea kayaking and demonstrate sea kayaking in sheltered sea	3	10	N	N	N	Int						
91505	2	Examine contemporary leadership principles applied in physical activity context	3	4	Y	N	Y	Int					R R	

Assessment: 3 x internal unit standards (20) and 3 internal achievement standards (11).

- Course leads to:**
- Tertiary studies leading students into the Adventure Tourism Industry
 - Career opportunities within the tourism/travel industry
 - Bachelor of Sport and Recreation and Leadership majoring in Outdoor Education.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

HIGH PERFORMANCE PROGRAMME – YEAR 13

CODE: HPP

NZQA qualifications: Unit Standards.

Prerequisites:

- Students will be chosen for this course via an application to the Teacher in Charge and may be currently performing at a high sporting level and have an excellent attitude. They must be physically fit, as well as willing and able to participate in a number of different activities.
- Successfully complete Year 12 High Performance Programme.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 2 hours

Special conditions:

Students are expected to go on some field trips throughout the year, which are designed to enrich and inspire them. This could involve day and/or overnight.

Field trips/activities:

It is recommended that students attend Pilates and gym sessions which will incur a charge of approximately \$200. It is recommended that students pay approximately \$50 for extra costs for transport for Field trips.

COURSE DESCRIPTION

Sport can be a professional and recognised career and this course is geared towards such people. It caters for students who are excelling in their chosen sporting endeavours and wish to future develop their ability to reach full potential. The programme will introduce students to weight training, core strength, goal setting, nutrition, psychology, how to write a training programme and the problems associated with drugs in sport. Other topics will also be covered, as or when required by the individual.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C	M	P	S	S	C
91601	2	Carry out a practical investigation in a biological context, with guidance	3	4	N	N	Y	Int		R	R		R	
91604	2	Demonstrate understanding of how an animal maintains a stable internal environment	3	3	Y	N	Y	Int			R		R	
27714	1	Instruct a circuit class	3	7	N	N	N	Int						
5366	4	Apply the basic principles of applied sport psychology	4	6	N	N	N	Int						

Assessment: 3 x internal unit standards and 1x internal achievement standard, total 21 credits. Term III school examinations.

Course leads to:

- A career in sport or sport related activities.
- Tertiary studies in the recreation, sport and fitness industry.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

SERVICES PREPARATION – Levels 2 and 3

CODE: SP

NZQA qualifications: NCEA Level 2 and Level 3

- Achievement Standards.
- Unit Standards.

Prerequisites:

Physically and mentally prepared to accept the challenges presented throughout the year.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Special conditions:

Students will need to go on field trips to visit places of work. This will involve day trips and may involve overnight stays, all planned to integrate the standards being taught.

Field trips:

It is recommended students pay approximately \$150 for field trips which are required to visit the various camps, bases and stations of the different services.

COURSE DESCRIPTION

This course is to provide an introduction to life in the services (Army, Navy, Air Force, Police and Fire). It is a motivating and disciplined programme to also help students develop as young adults. Areas to be developed include:

- Self confidence
- Self pride
- Personal fitness
- Communication skills
- Teamwork and leadership.

Topics taught will include:

- Roles, responsibilities and career paths of each service
- Rank structures
- Services history and core values
- Basic drill and personal presentation
- Fitness and leadership activities
- Time management
- First aid
- Being a New Zealand citizen compared to the cultural differences in the wider world.

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C	M	P	S	S	C
1304	8	Communicate with people from other cultures	3	2	N	N	N	Int						
12349	5	Demonstrate knowledge of time management	2	3	N	N	N	Int	SR					
91330	3	Perform a physical activity in an applied setting	2	4	N	N	N	Int				R		R
91332	2	Evaluate leadership strategies that contribute to the effectiveness of a group	2	4	N	N	N	Int				R	SR	R
91333	2	Demonstrate understanding of the application of risk management strategies to a challenging outdoor activity	2	3	N	N	N	Int			R	SR		
91230	2	Examine an historical event or place that is of significance to NZ	2	5	N	N	N	Int				R		
6400	5	Manage First Aid in emergency situations	3	2	N	N	N	Int						
6401	5	Provide First Aid	2	1	N	N	N	Int			SR	SR	SR	

Assessment: 7 x internal unit standards, total 17 credits.

Course leads to: A possible career in one of the services, further educational opportunities and successful entry into the workforce.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR

SCIENCE FACULTY

BIOLOGY – YEAR 13

CODE: BIO

NZQA Qualifications: Achievement Standards.

Prerequisites:

12 credits from level 2 achievement standard biology with at least 4 credits from external achievement standards.

12 credits from level 2 English 01 or English 02.

Course Length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	4 hours
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Special Conditions:

It is recommended that students purchase a learning workbook at approximately \$30.00.

Field Trips:

It is recommended students attend the Day trip to Hamilton Zoo at a cost of approximately \$35.

COURSE DESCRIPTION

This course is aimed at students who wish to study biology in greater depth, and also wish to develop skills which will be important in studying biology at tertiary level.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91601	1	Carry out a practical investigation in a biological context with guidance	3	4	N	N	Y	Int		R	R		R	
91603	1	Demonstrate understanding of the responses of plants and animals to their external environment.	3	5	Y	Y	Y	Ext			R			
91604	1	Demonstrate understanding of how an animal maintains a stable internal environment	3	3	Y	N	Y	Int			R		R	
91605	1	Demonstrate understanding of evolutionary processes leading to speciation.	3	4	Y	Y	Y	Ext		R	R		R	
91606	1	Demonstrate understanding of trends in human evolution.	3	4	Y	Y	Y	Ext			R			
91607	1	Demonstrate understanding of human manipulations of genetic transfer and its biological implications.	3	3	Y	N	Y	Int		R	R		R	

Assessment: 3 x internal achievement standards, 3 x external achievement standards, total 23 credits.
Term III school examinations.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

CHEMISTRY – YEAR 13

CODE: CHE

NZQA qualifications: Achievement Standards.

Prerequisites:

3 Achievement standards at achieved level or higher from level 2 chemistry achievement standards.
12 credits from Level 2 mathematics.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Special conditions:

It is recommended that students purchase a write-on manual at approximately \$30.

COURSE DESCRIPTION

The content of the Chemistry course at Year 13 is based on the NCEA Level 3 Chemistry achievement standards. This course expands on the knowledge you covered in Level 2 and focuses on the composition and properties of matter, the energy involved as it undergoes change and understanding the nature of particles to predict the properties and reactions of materials.

Chemistry has been described as the “central science” because there are few sciences where at least some knowledge of Chemistry is not a requirement. It may be advisable for those considering a career based in the sciences to check what level of Chemistry is required, since many university and some polytechnic courses require Chemistry equivalent to or beyond Year 13 level.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C	M	P	S	S	C
									I	T	I	I	C	R
91393	2	Demonstrate understanding of oxidation-reduction processes	3	3	N	N	Y	Int	R		R			
91391	2	Demonstrate understanding of the properties of organic compounds	3	5	N	N	Y	Ext	R		R	R	R	
91390	2	Demonstrate understanding of thermochemical principles and the properties of particles and substances.	3	5	N	N	Y	Ext	R		R		R	
91392	2	Demonstrate understanding of equilibrium principles in aqueous systems	3	5	N	N	Y	Ext	R		R		R	
91389	2	Demonstrate understanding of chemical processes in the world around us.	3	3	Y	Y	Y	Int	R		R		R	
91388	2	Demonstrate understanding of spectroscopic data in chemistry	3	3	N	N	Y	Int	R		R		R	

Assessment: 3 x internal assessments (91389 is an optional assessment, which would be completed in the students' own time), 3 x external examinations
Term III school examinations.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

PHYSICS – YEAR 13

CODE: PHY

NZQA qualifications: Achievement Standards.

Prerequisites:

- 3 Achievement standards at achieved level or higher from level 2 achievement standard physics.
- 12 credits from level 2 mathematics.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 3 hours

Special conditions:

- A write-on manual may be recommended depending on the range of standards covered.
- A scientific calculator is required for this course.

Field Trips:

These may be discussed and planned across the year as appropriate.

COURSE DESCRIPTION

This is a general Level 3 NCEA physics course for students intending to work or study in a physics-related field such as engineering, architecture, games design, radiotherapy, medicine, military training. All achievement standards are based on student interest and may change with general classroom consensus.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91521	2	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	3	4	N	N	Y	Int	R				R	
91522	2	Demonstrate understanding of the application of physics to a selected context	3	3	N	N	Y	Int	R		R		R	
91524	1	Demonstrate understanding of mechanical systems	3	6	N	N	Y	Ext	R	R	R		R	
91525	2	Demonstrate understanding of Modern Physics	3	3	N	N	Y	Int	R				R	

Assessment: 3 x internal achievement standard, 1 x external achievement standards, total 14 credits.
Term III school examinations.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

FARMING SKILLS – Levels 2 and 3

CODE: FSK

NZQA Qualifications: Achievement Standards and Unit Standards

Prerequisites:

Open entry after consultation with Head of Science or teacher in charge of agriculture.

Course Length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	2 hours
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Special Conditions:

None.

Field Trips:

It is recommended that students attend the Agricultural Field Days Term II and pay the cost of \$35. Other field trips may be required. These will be planned as needed and all costs kept to a minimum. This course is also supported with STAR funding.

COURSE DESCRIPTION:

This internally assessed course builds on the Level 1 agriculture course for students who may be going on to work or study in the agriculture or horticulture sectors. Students create their own course of study, selected from the Telford STAR programme, from the categories below.

- General agriculture
- Vehicles and machinery
- Fencing
- Dairy
- Deer
- Cattle
- Sheep
- Farm dogs
- Agrichemicals and plant pest control
- Beekeeping
- Equine
- Horticulture

Assessment: All Unit Standards are internally assessed. Individual programmes are approximately 20 credits.

SOCIAL SCIENCES FACULTY

ACCOUNTING – Level 3

CODE: ACC

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

14 or more credits at Level 2 NCEA accounting or in consultation with the teacher in charge of accounting.

Course length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	4 hours
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Special conditions: It is recommended that students purchase a workbook at approximately \$25.00.

COURSE DESCRIPTION

Students wishing to study business, commerce or law at tertiary level will benefit from Level 3 accounting, as will those wishing to take up employment in an accounting type job. The content of the course includes:

- Formation of partnerships and companies
- Reporting financial information and the study of financial reporting standards
- Management accounting for decision making
- Analysis and interpretation of company annual reports
- Job costing for decision making

While this course builds upon the knowledge and skills taught in NCEA Levels 1 and 2, this course has been successfully picked up by competent students willing to make a substantial effort.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91405	1	Demonstrate understanding of accounting for partnerships	3	4	N	N	Y	Int				R		R
91407	1	Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity	3	5	Y	Y	Y	Int						
91408	1	Demonstrate understanding of management accounting to inform decision-making	3	4	N	N	Y	Ext			R	R		
91409	1	Demonstrate understanding of a job cost subsystem for an entity	3	4	N	N	Y	Int						

Assessment: 3 x internal achievement standards, 1 x external achievement standards.
A final choice of which standards will be made based on students prior learning and interests.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

ECONOMICS – Level 3

CODE: ECO

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

By negotiation with the teacher in charge of economics.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Special conditions: It is recommended that students purchase an economics workbook at approximately \$25.

COURSE DESCRIPTION

Economics at this level provides very good preparation for study at university and also provides an interesting overview of the economic issues facing a modern economy. The course would provide a good background for students studying not just economics at university but also areas as diverse as law, environmental science, politics, and other areas of business and commerce.

The course is divided into four main areas of study:

- **Microeconomic concepts:** This is an overview of the concepts related to consumer demand and to producer supply.
- **Markets and efficiency of different market structures:** This is how firms are organised to use scarce resources to provide us with the goods and services we consume. Some forms of market structures are more desirable than others.
- **Market failure:** This explores ways in which the government needs to intervene into some markets in order to correct issues facing modern economies.
- **Aggregate economic activity:** This looks at the New Zealand economy and the internal and external factors that influence the economic activity within the economy. The impacts on all of us from changes in economic activity are covered in this section of the course.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91399	1	Demonstrate understanding of the efficiency of market equilibrium	3	4	Y	Y	Y	Ext				R		
91400	1	Demonstrate understanding of the efficiency of different market structures using marginal analysis	3	4	Y	Y	Y	Ext			R	R		
91401	1	Demonstrate understanding of micro-economic concepts	3	5	Y	N	Y	Int				R		
91402	1	Demonstrate understanding of government interventions to correct market failure	3	5	Y	N	Y	Int			R			
91403	1	Demonstrate understanding of influences on the New Zealand economy	3	6	Y	Y	Y	Ext			R	R		

Assessment: 2 x internal achievement standard, 3 x external achievement standards.
A final choice of which standards are offered will be based upon students' prior learning and interests.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

ENTERPRISE STUDIES – Level 3

CODE: EST

- NZQA qualifications:**
- NCEA credit Equivalent – Level 3.
 - Achievement Standards – Level 3.

Prerequisites:

NCEA Level 1 (including numeracy and literacy) and approval by the teacher in charge.

Course length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	3 1/2 hours
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It is recommended that students pay the Compulsory Course Costs of:

- Registration per student for Young Enterprise \$35.
- Kickstart Day in Rotorua in February/March, approximately \$20.
- Travel to regional and national awards ceremonies if applicable (cost to be advised). Sponsorship maybe available.

COURSE DESCRIPTION

Enterprise studies is a learning experience in which you will form a company; become a director and develop products and services, which you market and sell. Enterprise studies is skill based and teaches skills in budgeting, planning, interpersonal relations, decision making, reporting, communications; risk management and teamwork.

Enterprise studies students:

- Learn how to run a business
- Learn the value of being enterprising
- Add value to school based knowledge
- Develop a 'can do' attitude
- Learn to take and manage risks.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
Level 3 Achievement Standards														
91382	1	Develop a marketing plan for a new or existing product	3	6	Y	N	Y	Int				R	R	R
91384	1	Carry out with consultation an innovated, sustainable business activity	3	9	Y	N	Y	Int				R	R	R

Assessment: 2 x Achievement standards.

- Course Leads to:**
- Business ownership and management.
 - Tertiary study in business.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

GEOGRAPHY – Level 3

CODE: GEO

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

- Students need not have taken geography at Years 11 or 12 but it is a definite advantage.
- A minimum of 14 achievement standard credits in Level 2 English or geography, which must be a combination of internal and external standards, or by negotiation with the teacher in charge of geography.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 6 hours

Special conditions:

Fieldwork will be undertaken in the local area and this will involve some costs for transport, approximately \$50. It is recommended that students purchase the TNT workbooks for external achievement standards at approximately \$10.

COURSE DESCRIPTION

Geography at this level is varied and stimulating. It involves students in theoretical and practical studies. Students will develop a large range of skills and learn how to apply these in various contexts. This subject is an accepted prerequisite for a broad range of tertiary courses.

Achievement standards will be selected from:

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91426	2	Demonstrate understanding of how interacting natural processes shape a New Zealand geographical environment	3	4	Y	Y	Y	Ext				R	R	
91428	2	Analyse a significant contemporary event from a geographical perspective	3	3	Y	N	Y	Int					R	
91429	2	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills	3	4	Y	Y	Y	Ext	R		R	R		
91430	2	Conduct geographic research with consultation	3	5	N	N	Y	Int					R	
91431	2	Analyse aspects of a contemporary geographic issue	3	3	Y	N	Y	Int				R	R	R
91432	2	Analyse aspects of a geographical topic at a global scale	3	3	N	N	Y	Int			R	R		R

Assessment: A maximum of 3 x internal achievement standards, 2 x external achievement standards. Term IV NCEA external examinations.

Course leads to: Tertiary qualifications in a wide range of fields.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

CLASSICAL STUDIES – YEAR 13

CODE: CLA

NZQA qualifications: Achievement Standards.

Prerequisites:

At least 14 credits at Level 2, including 5 credits in writing and 5 credits in reading from English and/or history. The ability to write essays is an advantage.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 5 hours

COURSE DESCRIPTION

1. Roman art and architecture.
2. Augustus.
3. Virgil's Aeneid.

The classical studies course looks at a range of disciplines: Ancient literature, history and art history. The focus for Level 3 is on Roman topics where power and empire are studied in detail. The study of the Roman Gods is an integral part of the course.

Please Note:

All literature and other written material used are English translations.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91394	2	Analyse ideas and values of the classical world	3	4	Y	Y	Y	Ext						R
91395	2	Analyse the significance of a work(s) of art in the classical world	3	4	Y	Y	Y	Ext						R
91397	2	Demonstrate understanding of significant ideology(ies) of the classical world	3	6	Y	N	Y	Int						R
91398	2	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	3	6	Y	N	Y	Int						R

Assessment: 2 x internal achievement standard, 2 x external achievement standards.

Course leads to: Tertiary qualifications.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

HISTORY – Level 3

CODE: HIS

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

Students need not have taken History in Years 11 or 12, but need to be able to read indepth, complex material. They must be able to write in a clear, logical and well-constructed way, formal essays of 800 to 1200 words in length. A minimum of 16 Level 2 credits in History or English is required, including essay writing standards, 91233 or 91234 or 91088 or 91099 or 91101.

Course length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	6 hours
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COURSE DESCRIPTION: The course work is divided into four areas:

1. Maori Pakeha relations in the 19th Century

Meet remarkable figures like Hone Heke, famed flag pole destroyer; cannibal, General Duncan Cameron, British soldier who led his troops to defeat in the Waikato; George Grey, Governor of New Zealand, who swung between favouring Maori and attempting to take away their land; as well as missionaries, sealers, whalers and traders who lived in the bawdy, bustling brothel town of Kororareka, the first capital of New Zealand. Why did Britain decide to annex New Zealand? Why was the Treaty of Waitangi signed? Why did the New Zealand wars break out?

2. Research topics

This component is internally assessed and comprises 10 credits. Different topics are chosen from year to year depending on the interests and strengths of the students, availability of resources and the requirements of the standards.

Achievement standards will be selected from:

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C	M	P	S	S	C
									I	T	I	I	C	R
91434	2	Research on historical event or place	3	5	Y	N	Y	Int			R	R		
91435	2	Analyse an historical event or place	3	5	Y	N	Y	Int			R	R		R
91436	2	Analyse and evaluate evidence in historical sources	3	4	Y	Y	Y	Ext			R			
91437	2	Analyse different perspectives of a contested event of significance to New Zealanders	3	5	Y	N	Y	Int						R
91438	2	Analyse the causes and consequences of an historical event	3	6	Y	Y	Y	Ext						
91439	2	Analyse a significant historical trend	3	6	Y	Y	Y	Ext						

Assessment: Up to 3 x internal achievement standards, 3 x external achievement standards, and scholarship examination.

Course leads to: Enhanced analysis, historiography and critiquing skills, and tertiary qualifications.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

TOURISM – Level 3

CODE: TOU

NZQA qualifications: NCEA Level 3 Unit Standards.

Prerequisites:

- Year 12 tourism, or discussion with the teacher in charge of tourism.
- At least 9 literacy credits in achievement standards or unit standards in Year 12 English or geography.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Special conditions:

- Course supported by STAR funding.
- Some field work may be undertaken which could involve some cost to students.

Field trips:

STAR courses where applicable.

COURSE DESCRIPTION

This is a four period per week, high pressure course for those students taking other University Entrance subjects. The focus will be on specific world destinations, impacts of tourism on the environment, the role of tourism in New Zealand and cultural sensitivities within the tourism industry.

Students intending to go on to the tourism tertiary colleges will be able to cross-credit some of the unit standards, thus reducing tertiary course fees.

Achievement standards will be selected from:

Standard	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
3727	9	Demonstrate knowledge of Pacific Island countries as tourist destinations	3	5	N	N	N	Int						
18211	5	Demonstrate knowledge of Australia as a tourist destination	3	5	N	N	N	Int						
23766	2	Demonstrate knowledge of the tourism industry in New Zealand	3	5	N	N	N	Int						
24725	2	Describe and analyse the economic significance of tourism	3	4	N	N	N	Int						
24733	2	Describe and promote a New Zealand tourist destination	3	4	N	N	N	Int						

- Course leads to:**
- Tertiary studies in tourism and travel at polytechnic/university.
 - Career opportunities within the tourism/travel industry.
 - Bachelor of Tourism / Event Management – Waikato/Otago Universities.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

TECHNOLOGY FACULTY

DESIGN & VISUAL COMMUNICATION – Level 3

CODE: DVC

NZQA qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

It is preferable for a student to have taken this subject in Years 11 and 12.

Course length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	4 hours
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Special conditions:

- Students must supply their own pencils, draughting and compass set.
- It is recommended students pay the subject charge of \$40. This covers the cost of the take home materials used in the course and limited colour photocopying and printing.

COURSE DESCRIPTION

The course is designed to provide a variety of realistic design and drawing experiences that are challenging, creative and enjoyable. These experiences draw on students' interests and cultural backgrounds. Students have extensive access to computer aided design (CAD) and are encouraged to use this throughout their projects.

This course is intended for students interested in design as a means to develop their own visual communication skills and particularly as an intended pathway towards further tertiary study and careers in engineering, product design or architecture.

The course is a full achievement standard course and is a combination of internal achievement standards and external achievement standards.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91627	2	Initiate design ideas through exploration	3	4	N	N	Y	Ext	R		R	R		R
91629	2	Resolve a spatial design through graphics practice	3	6	N	N	Y	Int	R					R
91630	2	Resolve a product design through graphics practice	3	6	N	N	Y	Int	R					R
91631	2	Produce working drawings to communicate production details for a complex design	3	6	N	N	Y	Ext	R		R			R

Assessment: 2 x internal achievement standards, 2 x external achievement standards, total 22 credits.

Course leads to: Tertiary qualifications, Polytechnic, University.
Careers in design related field.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

DIGITAL TECHNOLOGIES (01) – Level 3

CODE: DT1

NZQA qualifications: NCEA Level 3

- Achievement Standards.

Prerequisites:

Requires a minimum of 8 credits from NCEA Level 2 digital technologies.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 6 hours

Special conditions:

As there is no subject charge, printing costs are to be met by students.

COURSE DESCRIPTION

Digital technologies are electronic tools, systems, devices and resources that generate, store or process data. These include applications, multimedia, productivity applications, mobile devices, social media, online games, cloud computer etc.

Courses in Digital Technologies offer the development of knowledge and skills using a wide range of exciting Internet and computing technologies. The courses are designed to ignite a passion for digital technologies, and to lead students into a rewarding and fulfilling future and further studies.

The course has much hands-on experience using industry-standard computer software.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91632	3	Demonstrate understanding of complex concepts of information systems in an organisation	3	4	Y	Y	Y	Ext			R	R		
91609	3	Undertake project management to support technological practice	3	4	N	N	Y	Int	R		R	R		
91610	3	Develop a conceptual design considering fitness for purpose in the broadest sense	3	6	N	N	Y	Int	R		R			R
91633	3	Implement complex procedures to develop a relational database embedded in a specified digital outcome	3	6	N	N	Y	Int			R			
91635	3	Implement complex procedures to produce a specified digital media outcome	3	4	N	N	Y	Int				R		R
91637	3	Develop a complex computer program for a specified task	3	6	N	N	Y	Int						R

Assessment: 1 x external achievement standards, 5 x internal achievement standards, total 30 credits.

Course leads to: Business computing and Computer Science diplomas/degrees.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

DIGITAL TECHNOLOGIES (02) – Level 3

CODE: DT2

NZQA qualifications: NCEA Level 3

- Unit Standards.
- National Certificate in Computing Level 2 and 3.

Prerequisites:

Completion of the Level 2 course or equivalent is desirable. Any student selecting this course without this prior learning may need to cover the level 2 equivalent unit standards for those listed below before attempting each Level 3 standard.

Course length: Full year
Class hours per fortnight: 7.5 hours

Special conditions:

As there is no subject charge, printing costs are to be met by students.

COURSE DESCRIPTION

This course aims to enable students to live confidently with computers in their present and future situations. It is a practical subject with much hands-on experience with common applications.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
112	6	Produce business or organisational information using word processing functions	3	5	N	N	N	Int						
2785	8	Create a computer spreadsheet to provide a solution for organisation use	3	5	N	N	N	Int						
2787	7	Create and use a computer database to provide a solution for organisation use	3	6	N	N	N	Int						
2789	7	Produce desktop published documents for organisation use	3	6	N	N	N	Int						
5947	7	Use computer technology to solve a specified problem	3	3	N	N	N	Int						

Assessment: 5 x internal unit standards, total 25 credits.

Course leads to: NCEA Level 3 National Certificate in Computing.
 To complete the National Certificate in Computing Level 3, a further 15 credits at Level 3 or above are required but they can come from anywhere in the National Qualifications Framework. In addition, Unit Standards 2780 and 2781 (from the Level 2 course) are compulsory.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

FOOD TECHNOLOGY – Level 3

CODE: FN

NZQA Qualifications: NCEA Level 3 Achievement and Unit Standards

Prerequisites:

This course builds on the skills and knowledge taught in Year 12 and students are expected to demonstrate independence and efficiency to meet the requirements of Level 3 standards. It is therefore advisable that students have passed the internal standards at Level 2.

Course Length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours/week:** 2

Special Conditions:

It is recommended students pay the subject charge of \$120. This contributes to the cost of the take home content used in the course throughout the year. There may be one or more field trips which will incur a charge for transport.

COURSE DESCRIPTION

This course covers food nutrition and processing as well as general technology using the medium of food. It is a useful choice for a wide range of subject areas at tertiary level including food nutrition, food science and technology. Students need to demonstrate independence and efficiency in both practical and theory work at this level so a good level of self-managing skills and practical competence is expected. The standards often allow students to have creativity and make choices about their practical work, while still working in a methodical and systematic way. Some of the standards involve both theory and practical components for assessment.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91466	2	Investigate a nutritional issue affecting the well-being of New Zealand society	3	5	Y	N	Y	Int				R	R	
91469	2	Investigate the influence of multinational food corporations on eating patterns in New Zealand	3	5	Y	N	Y	Int			R	R	R	
91611	3	Develop a prototype considering fitness for purpose in the broadest sense	3	6	N	N	Y	Int	R		R			R
91643	3	Implement complex procedures to process a specified product	3	6	N	N	Y	Int			R	R		

Assessment: 4 x Internal Achievement Standards.

Note – There are 22 credits in total.

The 22 credits in Food and Nutrition and Food Technology can be used as a UE subject. There are no external standards.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

HOSPITALITY – YEAR 13

CODE: HOS

- NZQA qualifications:**
- Industry Unit Standards.
 - Certificate of Achievement in Barista.
 - Cookery unit standards.

Prerequisites:

It is an advantage if students have studied food and nutrition or hospitality at other levels, but not essential.

Course length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	6 hours
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Special Conditions:

- It is recommended students pay the Subject charge of \$130*. This covers the cost of all take home content used in the course throughout the year, not covered by STAR support funding.
* Subject charge is supported by STAR funding, covering the cost of the workbooks and some of the food used by students.
- A Gateway placement for a period of time is a requirement for this subject.

Field trips:

Students can be expected to visit food outlets, both local and out of town.

COURSE DESCRIPTION

The course provider is Service IQ. Students will learn the basic cooking techniques and food hygiene that will give them the experience to enter a polytechnic and gain further qualifications or the skills to gain entry level jobs in the local food industry.

Students will also be taught skills in customer service and Barista skills. These are excellent to have for entry level into the hospitality industry or just looking at part-time employment. This is a creative and interesting course that allows students of all abilities to learn useful skills that are all in high demand in the work force. Students will be able to trial these through work experience in the local community. This serves as a good introduction to different businesses in town and the beginning of a range of employment opportunities.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C	M	P	S	S	C
									I	T	I	I	C	R
Certificate of Achievement in Barista skills														
17284	6	Demonstrate knowledge of coffee heritage and production	3	3	N	N	N	Int						
17288	5	Prepare and present espresso beverages for service	3	5	N	N	N	Int						
Food and beverage														
18497	5	Demonstrate knowledge of culinary products and terms	3	8	N	N	N	Int						
13282	3	Prepare, assemble and present complex sandwiches for service in a commercial kitchen	3	2	N	N	N	Int						
168	4	Demonstrate knowledge of food contamination hazards and control methods used in a food business	3	4	N	N	N	Int						

Assessment: 5 x internal unit standards, 22 total credits (plus 167 level 2, 4 credits), if not achieved at Level 2.

Term III school examinations

- Course leads to:**
- Tertiary studies in catering at Polytechnic or industry based providers.
 - Career in hospitality.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C	M	P	S	S	CR
I	T	I	I	C	
R = Recommended			SR = Sector Recommended		

ENGINEERING, AUTOMOTIVE – Levels 2 and 3

CODE: EGA

NZQA qualifications: NCEA Level 2 and Level 3. • Unit Standards.

Prerequisites: NCEA Levels 1 and 2 technology is an advantage.
NCEA Level 2 Unit Standard 21907, 4436.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 2 hours

Special Conditions:

Subject charges will be supported by STAR funding. Students are expected to provide all materials for individual projects. Students choosing to construct a mini motor GP bike or a go kart, please note the cost is approximately \$340 for the bike or kart kit.

COURSE DESCRIPTION

This course caters for students interested in a future career in the engineering and/or automotive industry. Students are able to earn nationally recognised unit standards while completing projects that involve a range of different practical skills. Students will have the opportunity to design and build a mini motor bike and race the bike at the New Zealand Secondary Schools mini motor GP. The course is delivered in conjunction with To – Ohomai Institute of Technology and Competenz New Zealand.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
4435	8	Select, use and care for engineering dimensional measuring equipment.	2	3	N	N	N	Int						
21682	1	Demonstrate knowledge of an oxy-acetylene welding plant in the motor industry.	2	2	N	N	N	Int						
21685	1	Use an oxy-acetylene welding plant in the motor industry.	2	3	N	N	N	Int						
91620	3	Implement complex procedures to integrate parts using resistant materials to make a specified product	3	6	N	N	Y	Int	R					R
91625	3	Demonstrate understanding of a complex machine	3	3	N	N	Y	Int						

Assessment: 6 x internal unit standards and 2 x achievement standard, total 14 level 2 credits and 9 level 3 credits will be available. One additional level 3 achievement standard may also be offered.
Term III school examinations.

Course leads to: Polytechnic studies, tertiary studies, apprenticeships.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

CARPENTRY / JOINERY – Level 3

CODE: CJ

NZQA qualifications: NCEA Level 3 Unit Standards.

Prerequisites:

NCEA Levels 1 and 2 technology is an advantage, or 12927 (Hand Tools), and 24350 (Portable Power Tools).

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Special Conditions:

Subject charges will be supported by STAR funding. Students are expected to provide all materials for individual projects.

COURSE DESCRIPTION

This course caters for students who are interested in a future career in carpentry, building, joinery or the furniture industries. Students are able to earn nationally recognised unit standards at level 3 while completing a range of different practical tasks. Students will have the opportunity to be involved in the construction of two small buildings which are constructed to the relevant council codes of practice. The course is delivered in conjunction with the Building and Construction, Joinery and Furniture Industrial Training Organisations of New Zealand.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
13000	3	Demonstrate knowledge of portable power tools used on construction sites	3	4	N	N	N	Int						
16232	4	Use portable power tools for making furniture	2	4	N	N	N	Int		SR				
12999	3	Demonstrate knowledge of timber machining equipment used on construction sites	3	3	N	N	N	Int						
28210	1	Set up, Operate and Maintain planing machines used to produce basic joinery items	3	3	N	N	N	Int						
18903	2	Set a straight cutting saw to cut furniture components	3	4	N	N	N	Int						
28211	1	Set up, operate, and maintain fixed and moveable saws used to produce basic joinery items	3	6	N	N	N	Int						

Assessment: 5 x internal unit standards at Level 3, total 20 credits.
1 x internal unit standards at Level 2, total 4 credits
Term III school examinations.

Course leads to: The Certificate, Diploma and Bachelor of Applied Technology in polytechnic, tertiary studies and the Apprenticeship system.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

TEXTILE MATERIALS – Level 3

CODE: TM

NZQA qualifications: NCEA Level 3 Achievement Standards and Unit Standards

Prerequisites:

Students are expected to have studied this subject in Year 11 or 12 and passed with a minimum of 12 credits, or entry with Teacher approval.

Course length: Full year
Class hours per fortnight: 7.5 hours

Special conditions:

It is recommended students pay the subject charge of \$80 which covers the take home content of the course.

COURSE DESCRIPTION

Unit 1: Students will research an innovative international designer. They will use this research to inspire their own design, draft a pattern block and create the outfit.

Unit 2: Students will work cross curricular with the drama department and research what is needed to create a costume for a performance, after which they may wish to construct an item for the performance. The materials for this outfit will be supplied. The performance processing unit standard can be achieved at merit or excellence level

This course will be helpful to prepare students for a future in the field of fashion. This course is part of a pathway to university or a career in fashion.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91610	3	Develop a conceptual design considering fitness for purpose in the broadest sense.	3	6	N	N	Y	Int	R		R			R
91626	3	Draft a pattern to interpret a design for a garment	3	6	N	N	Y	Int		R				R
91611	3	Develop a prototype considering fitness for purpose in the broadest sense	3	6	N	N	Y	Int	R		R			R
28002	1	Research, develop and visually communicate a costume design concept for a given work	3	6	N	N	N	Int						
91621	2	Implement complex procedures using textile materials to make a specified product	3	6	N	N	Y	Int						R

Assessment: 4 x Internal Achievement Standards, 1 x Unit Standard. Total 30 credits.

Course leads to: Entry into a New Zealand Diploma in Apparel and Fashion Technology (Level 5), at tertiary and university level to further a career in the fashion industry

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

THE ARTS FACULTY

VISUAL ARTS, DESIGN – Level 3

CODE: DES

NZQA Qualifications: NCEA Level 3

- Achievement Standards.
- Unit Standards.

Prerequisites:

Year 12 design gaining a minimum of 12 credits.

Course Length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	4 hours
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Special Conditions:

It is recommended students pay the subject charge of \$40. This covers the cost of the take home materials in the course. Students will be expected to pay for their own printing costs.

COURSE DESCRIPTION

Students need to learn to solve clearly defined design problems. Solutions need to be communicated through drawings, notes, models and finished work. Students will develop knowledge and understanding of existing design practices, and apply this to their own ideas.

Students will produce work, presented in a folio, and assignments on a number of themes. The course is assessed through achievement standards that cover the curriculum with total credits of 22.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91445	1	Use drawing to demonstrate understanding of conventions appropriate to design	3	4	N	N	Y	Int						R
91450	1	Systematically clarify ideas using drawing informed by established design practice	3	4	N	N	Y	Int						R
91455		Produce a systematic body of work that integrates conventions and regenerates ideas within design practice	3	14	N	N	Y	Ext						R

Assessment: 2 x internal achievement standards, 1 x external achievement standards, totalling 22 credits.

Course Leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

Students may do
up to **two** Practical Art subjects for NCEA Level 3

A folio is to be produced
for the external examination
at the end of November.

VISUAL ARTS, PAINTING – Level 3

CODE: PAI

NZQA Qualifications: NCEA Level 3

- Achievement Standards.
- Unit Standards.

Prerequisites:

Painting – Year 12 painting gaining a minimum of 12 credits.

Course Length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4 hours

Special Conditions:

It is recommended students pay the subject charge of \$100. This covers the cost of the take home materials in the course. Students are expected to supply their own paint, brushes and specialist paint for portfolio and assessment work.

COURSE DESCRIPTION

Students need to have good drawing skills, must be able to handle a variety of painting and drawing media as well as be capable of developing new ideas. Through their work they should gain understanding of methods and procedures used by artists and apply this to a selected subject matter.

Students will produce work, presented in a folio, and assignments on a number of themes. The course is assessed through achievement standards that cover the curriculum with total credits of 22.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91446	1	Use drawing to demonstrate understanding of conventions appropriate to painting	3	4	N	N	Y	Int						R
91451	1	Systematically clarify ideas using drawing informed by established painting practice	3	4	N	N	Y	Int						R
91456	1	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	3	14	N	N	Y	Ext						R

Assessment: 2 x internal achievement standards, 1 x external achievement standards, totalling 22 credits.

Course Leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

Students may do
up to **two** Practical Art subjects for NCEA Level 3

A folio is to be produced
for the external examination
at the end of November

VISUAL ARTS, PHOTOGRAPHY, DIGITAL – Level 3

CODE: PHO

NZQA Qualifications: NCEA Level 3

- Achievement Standards.
- Unit Standards.

Prerequisites:

Year 12 photography, gaining a minimum of 12 credits.

Course length:	Full year	Class hours per fortnight:	7.5 hours	Homework hours per fortnight:	6 hours
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Special conditions:

- It is recommended students pay the subject charge of \$40. This covers the cost of the take home materials in the course. Students will be expected to pay for their own printing costs.
- Own digital SLR camera is essential.

COURSE DESCRIPTION

Students need to gain good knowledge of black and white photographic procedures. The course deals with camera handling, taking of photographs and developing techniques for films and prints. Through the image making process students should gain understanding of methods and procedures used by artists, and apply this to a thematic study.

Students will produce work, presented in a folio, and assignments on a number of themes. The course is assessed through achievement standards that cover the curriculum with total credits of 22.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	C R
91447	1	Use drawing to demonstrate understanding of conventions appropriate to photography	3	4	N	N	Y	Int						R
91452	1	Systematically clarify ideas using drawing informed by established photography practice	3	4	N	N	Y	Int						R
91457	1	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	3	14	N	N	Y	Ext						R

Assessment: 2 x internal achievement standards, 1 x external achievement standard, totalling 22 credits.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

Students may do
up to **two** Practical Art subjects for NCEA Level 3

A folio is to be produced
for the external examination
at the end of November

DRAMA – Level 3

CODE: DRA

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

NCEA Level 2 Drama (12 credits) or by audition.

Course length: Full Year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 4-6 hours

Special conditions:

- It is recommended students pay the subject charge of \$50. This covers the cost of theatre. Extra costs may be incurred for travel.
- Some obligatory rehearsal time will need to take place outside of school hours (for 91517).

Field trips:

- Two theatre visits.
- Professional workshops.

COURSE DESCRIPTION

The Year 13 course expands and extends students' knowledge of drama and prepares them for tertiary study in many disciplines. For example, the course prepares them for any performing arts course, broadcasting school, public relations course, film or literary study, communications courses, etc. It enhances individual confidence, communication and organisational skills, time management and people management skills.

Students will also take part in the public Year 13 performance assessment evening.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C	M	P	S	S	C
									I	T	I	I	C	R
91512	1	Interpret scripted text to integrate drama techniques in performance	3	4	Y	N	Y	Int						R
91513	1	Devise and perform a drama to realise a concept	3	5	N	N	Y	Int				R		R
91517	1	Perform a substantial acting role in a significant production	3	5	Y	N	Y	Int						R
91514	1	Interpret a text from a prescribed playwright to demonstrate knowledge of a theatre form or period	3	4	Y	Y	Y	Ext						R
91518	1	Demonstrate understanding of live performance	3	4	N	Y	Y	Ext						R
91520	1	Direct a drama performance (optional)	3	5	Y	N	Y	Int				R		R

Assessment: 4 x internal achievement standards, 2 x external achievement standards, total 27 credits.
Term III school examinations.

Course leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

MUSIC – Level 3

CODE: MUS

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites:

- NCEA Level 2 achievement standards in music.
- Enrolment accepted from equivalent exams such as Grade 4 Practical and Grade 3 Theory. However, Grade 4 is recommended.
- Auditions may be required for confirmation of entry requirements.

Course length: Full year **Class hours per fortnight:** 7.5 hours **Homework hours per fortnight:** 11 hours music practice

Special Conditions:

- As part of the performance requirements for assessment, students need to continue with their course of instrumental tuition on their performance instrument throughout the year (either privately or via the college). It is recommended that lessons be on an individual basis for at least ½ hour per week. (See music department brochure for details.) Extra charges may apply in some cases.
- Students must be prepared to take part in performance opportunities.

COURSE DESCRIPTION

Music study at Year 13 provides the opportunity for students to be able to specialise in the areas of their strengths and abilities, eg. performance, composition or musical knowledge/research (musicology). This course is a culmination for students who have completed Levels 1 and 2 standards in these areas. Performance, music studies, composition and harmonic analysis are extended to an in-depth level of understanding. Students must be committed to a course of study from the classroom teacher as well as separate weekly tuition from their instrumental music teacher and will often have to work independently to achieve the set tasks. Learning and assessment activities are based around the four strands from the Arts Curriculum document:

- Developing practical knowledge in music (theory, aural, score reading)
- Developing ideas in music (composing music)
- Communicating and interpreting in music (listen to, read and play music)
- Understand music in context (developing knowledge and understanding of a variety of music styles both past and present).

Please Note – While students have the opportunity to further their own interests in music this course has a set programme of teaching and learning based on the curriculum and NCEA assessment standards.

Std	Vers.	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C	M	P	S	S	C
									I	T	I	I	C	R
Making Music														
91416	1	Perform two programmes of music as a featured soloist	3	8	N	N	Y	Int						R
91417	1	Perform music as a featured soloist on a second instrument	3	4	N	N	Y	Int						R
91418	1	Demonstrate ensemble skills by performing in a group	3	4	N	N	Y	Int						R
91419	1	Compose three original pieces of music	3	8	N	N	Y	Int						R
Music Studies														
91421	1	Demonstrate understanding of harmonic and tonal conventions	3	4	N	N	Y	Ext						R
91424	1	Create two arrangements for an ensemble	3	4	N	N	Y	Int						R
91425	1	Research a music topic	3	6	Y	N	Y	Int						R
91422	1	Analyse a substantial music work	3	4	N	N	Y	Ext						R

Assessment: Selection of 6 x internal achievement standards, 2 x external achievement standards, 14 credits minimum requirement.

Course leads to: Tertiary study (auditions are required if this is for performance) Opportunities within the music industry.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

ENHANCED PERFORMANCE DANCE – Level 3

CODE: EPD

NZQA Qualifications: NCEA Level 3 Achievement Standards.

Prerequisites

- NCEA Level 2 dance with a minimum of 14 credits.
- Ballet at Intermediate or Advance level, **and/or**
- Jazz at Intermediate level 3 or Advance level, **and/or**
- Contemporary at level 4 or higher, **and/or**
- Hip Hop at level 4 or higher, **and/or**
- Evidence of a successful dance competition and/or audition.

Course Length:

Four terms. This course is timetabled before school one morning per week.

Field trips (costs to be advised):

- Dance NZ Made.
- Taupo Youth Talent Quest.
- Taupo Queen's Birthday Dance Competitions
- Tutoring by dance companies or ex-students.

COURSE DESCRIPTION

This course is intended to give students who dance an opportunity to gain NCEA accreditation for something they are already dedicated to and passionate about. This course also creates an opportunity to gain necessary credits that might help students gain entry to courses/subjects at Tertiary level in dance or the performing arts. This course is intended for able students of dance who wish to continue their studies in this subject. This is a rewarding performing arts course that demands a high degree of commitment and effort. All students have an individual learning programme.

Std	Vers	Title	Lvl	Cr	Reading	Writing	Approved Subject for UE	Int or Ext	C I	M T	P I	S I	S C	R
91588	1	Produce a dance to realise a concept	3	8	N	N	Y	Int						R
91589	1	Choreograph a dance to develop and resolve ideas	3	4	N	N	Y	Int						R
91590	1	Perform a solo or duet dance	3	4	N	N	Y	Int						R
91591	1	Perform a group dance	3	4	N	N	Y	Int						R
91592	1	Perform a repertoire of contrasting dances	3	6	N	N	Y	Int						R
91593	1	Demonstrate understanding of dance performance practices	3	4	N	N	Y	Int						R
91594	1	Analyse a dance performance	3	4	N	Y	Y	Ext						R
91595	1	Demonstrate understanding of the development of dance in Aotearoa/New Zealand	3	4	Y	Y	Y	Ext						R

Assessment: 6 x internal achievement standards 30 credits, 2 x external achievement standards 8 credits. Total 38 credits.

Course Leads to: Tertiary study.

Vocational Pathways					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community	Creative Industries
C I	M T	P I	S I	S C	CR
R = Recommended			SR = Sector Recommended		

GATEWAY – Structured Workplace Learning

Gateway is a senior programme being offered to students. It enables senior students to participate in structured workplace learning which is assessed and evaluated. A Gateway placement is integral to the senior students' other subjects. In most cases a placement is one day a week, or in the school holidays.

Students involved in Gateway will have their achievements credited towards national qualifications including the National Certificate of Educational Achievement (NCEA).

In many cases students will get a head start on their chosen careers. Through Gateway further opportunities may open up such as Modern Apprenticeship training and full time employment or cadetships.

Prerequisites

Year 11, 12 and Year 13 students who apply to the Gateway Programme will be interviewed and selected during the year by the Gateway Coordinator, Mrs Grant. Students must have parental permission to participate in a Gateway placement and must complete US497 Workplace Health and Safety Requirements Level 1 (3 credits).

Special Conditions

- This is a fully funded course of study. Students will have a contract concerning attendance and behavioural requirements and be required to complete a log book.
 - Each student in the Gateway programme will have a structured workplace learning plan. The rest of their programme will be school-based.
 - In many cases students will have an individual learning plan tailored to meet their specific needs. This will be prepared by the Gateway Coordinator and the Gateway Administrator. Parents will be informed of any changes to a student's learning plan.
 - Queries regarding this programme can be directed to Mrs Grant, Gateway Coordinator or Mrs Palmer, Gateway Administrator.
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TRADES ACADEMY COURSES

CODE: STPR

NZQA Qualifications:	NCEA Level 3. Unit Standards.
Prerequisites:	Entry is by interview with Careers Advisor and Dean.
Course Length:	Full year.
Field Trips:	Students will be out of class two days each week and are taught the practical requirements by Toi Ohomai Institute of Technology.

Trades Academy is a programme run in conjunction with Toi Ohomai Institute of Technology. It provides practical, interesting and relevant learning opportunities and gives students the chance to develop skills for work and for life. The courses are based on the Vocational Pathways and can give credit towards NCEA Level 3 and a Vocational Pathways Award. Most courses also work towards the relevant NZ Certificate.

This course is designed to help transition students from school to the workplace or further tertiary study. Students who select this course will also be encouraged to do Gateway. You will not be required to select other subjects. The rest of your course will be determined by your pathway and individual educational needs.

Disciplines Offered: Choose One (subject to numbers and confirmation from Toi Ohomai)
Details for these courses are still to come from Toi Ohomai.

Primary Industries:

Agriculture/Infrastructure – Vehicles, Machinery and Infrastructure - 45 credits approximately

Wood Manufacturing and Forestry Mechanisation - 40 credits approximately

Essential Farming Practice – 38 credits approximately

Manufacturing & Technology/Construction & Infrastructure:

Carpentry – 40 credits approximately

Automotive – 40 credits approximately

Engineering – 40 credits approximately

Service Industries:

Tourism, Accommodation & Events – 40 credits approximately

Retail – 41 credits approximately

Skincare & Make Up – 1 day/week – 20 credits approximately

Outdoor Experiences – 40 credits approximately



CAREERS GUIDANCE PROGRAMME

YEAR 13

AIMS

Year 13 students will receive sufficient information gathering opportunities, resources, experiences and career appointments through their senior years so that they are able to make informed decisions about subject selection and the transition from school to work, training or tertiary education. Much of this will be covered in Learning Advisory Groups (LAGs).

IMPLEMENTATION

Year 13 will have individual Career appointments.

- Bulls-eye online career planning tool.
- Subject selection with senior staff members completed on an individual basis.
- Individual career appointments – Year 13.
- Gateway Programme – structured workplace learning with unit standard assessment.
- Annual Waikato University Information Day visit.
- Polytechnic visits.
- Liaison visits from various institutions – Universities and Polytechnics.
- Modern apprenticeships presentations.
- Careers Website – www.careers.govt.nz
- Career Point – 0800 222 733.
- My Careers – Careers New Zealand tool.
- Careers Expo – Rotorua and Taupo.
- Careers Roadshow – Great Lake Centre, Term 3.
- JET Resources – Jobs, Education, Training resource.

OUTCOMES

Students in Year 13 will benefit from the Career Programme offered in the following ways:

- Identify their own vocational interest areas and personal attributes required for these.
- Have a clear personal career plan with goals.
- Develop a strategy aimed at achieving these goals. Prepare an action plan.
- Year 13 Destination Unit completed at Year 13 Leadership Camp, February.
- Be prepared through subject selection with senior staff and knowledge of entry requirements to achieve these goals.
- Explore thoroughly career pathways and training opportunities for them as individuals.
- Year 13 will receive all University and Polytechnic enrolment information required.
- Have knowledge of the world of work they will be entering and projected change in the labour market.
- Know which information sources are reliable, up to date and available to them.
- Be mentored in Whanau to assist them to achieve their goals.
- Have access to Breakout - Scholarships database.
- Study Link information for loans and allowances.
- Receive information regarding apprenticeship, cadetship and employment opportunities.

Useful Resources for Students, Parents and Caregivers

Mrs Kay Grant – Careers Advisor

Ms Hilary Graham – Guidance Counsellor

Career Website at www.careers.govt.nz

Career Quest – networked through computer suites and learning resource centre

Career Point – 0800 222 733

Occupational Outlook – free app

NCEA Pal – free app

Taupo-nui-a-Tia College Student Centre – careers information and displays

Mrs Palmer – Gateway Administrator

Bulls-eye online career planning tool

MyBlueprint – App (NCEA records, diary and career planner)

NCEA INFORMATION

- **How does NCEA work?**

Teachers will use standards to assess how well you perform in the different skills in a course. When you meet the standard, you'll earn credits towards the National Certificate in Educational Achievement.

- **How will I know which standards I'm entering for?**

Your teacher will tell you which standards are available for each course and how they'll be assessed. Standards are indicated in the Year 11, 12 and 13 course booklets. Credits from all of the achievement and unit standards you achieve count towards your NCEA.

Credits can count for other National Certificates too. Talk to your teacher to find out what other certificates are offered as part of your course.

- **How do students complete a qualification?**

NCEA levels and certificates

There are three levels of NCEA certificate, depending on the difficulty of the standards achieved. At each level, students must achieve a certain number of credits to gain an NCEA certificate. Credits can be gained over more than one year.

NCEA	Requirements
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Level 1	80 credits are required at any level (level 1, 2 or 3) including a minimum of 10 literacy credits and 10 numeracy credits. The literacy and numeracy standard pathways are shown in the year 11, 12 and 13 course booklets.
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Level 2	60 credits at level 2 or above. + 20 credits from any level. The Level 1 literacy and numeracy requirements must also be met.
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Level 3	60 credits at level 3 or above. + 20 credits from level 2 or above. The Level 1 literacy and numeracy requirements must also be met.
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Credits gained at one level can be used for (or count towards) more than one certificate. They may also be used towards other qualifications. For example, unit standards in the domain 'generic computing' might be used towards a Level 2 NCEA certificate, as well as towards a National Certificate in Computing (Level 2); or 20 credits gained at Level 1 can also count towards a Level 2 NCEA certificate.

NCEA ENDORSEMENTS

Recognising High Achievement with 'Endorsements'

When students perform consistently above the 'Achieved' level, their result(s) can be 'endorsed' to reflect that high achievement. This can occur at either the Certificate or individual course level.

Certificate Endorsement

If a student gains 50 credits at Excellence, their NCEA will be endorsed with Excellence. Likewise, if a student gains 50 credits at Merit (or Merit and Excellence), their NCEA will be endorsed with Merit. [The Record of Achievement](#) shows endorsement awards.

Credits earned can count towards an endorsement over more than one year and more than one level. However, they must be gained at the level of the certificate or above. For example, Level 2 credits will count towards endorsement of a Level 1 NCEA, but Level 1 credits will not count towards endorsement of a Level 2 NCEA.

Course Endorsement

Course endorsement provides recognition for a student who has performed exceptionally well in an individual course.

Students will gain an endorsement for a course if, in a single school year, they achieve:

- 14 or more credits at Merit or Excellence, and
- At least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards. Note, this does not apply to Physical Education and Level 3 Visual Arts.

A course endorsement is not a qualification. A course endorsement can be awarded even if a qualification for that level is not achieved. For example, a student may achieve a Merit endorsement for their Level 2 Mathematics course regardless of whether they achieve NCEA Level 2.

SUGGESTED SUBJECT GUIDE – Subjects Required/Preferred for Entrance to University

CAREERS	Required/Preferred Year 13 Subjects (useful subjects in brackets)
Accountancy	Acctg. (Stats, Calc, Eco, Eng/Hist. useful)
Agriculture/Agri Science	Physics, Chem, Bio, one of Calc or Stats (Geo useful)
Architecture	Physics (Wgtn only) (Calc/Stats, Art/Art-Design, Eng/Hist/Art Hist), Graphics
Art/Museum Conservator	Chem (Art Hist, Eng, Hist, Classics, Stats useful)
Aviation/Commercial Pilot	Calc, Phys (Acco or Eco useful), Chem
Biochemistry	Stats, Bio, Chem
Biological Sciences	Bio, Stats required, Chem preferred (Sci, Geo, Eng/Hist/Art Hist)
Broadcasting	Eng+ at least one of Classics/Hist/Art Hist/Econ/Geo
Building Science/Construction Management	Calc/Stats, Physics, Graphics (Sci, Eng/Hist)
Career/Trade Diplomat	Double degree preferable; (Career – Eng + Classics, Art Hist/Hist, (2 nd language)) (Trade – Eco, Acco, Stats, (Calc, 2 nd Language))
Commerce	See Accountancy, Eco, Mgmt, Tourism, Valuation, etc.
Computer Science/Technol.	Calc, Stats, Phys (Sci)
Criminology	Eng, Stats, plus at least one of Hist/Art Hist/Classics/Geo
Defence Studies	(Hist, Eng) Any broad scope
Design (Any)	Two of Art/Photo/Art-Design/Graphics, Eng/Art Hist/Classics
Dietetics/Nutrition	Bio/Chem, Stats + Eng/Hist/Classics
Ecology/Conservation	Stats, Bio (Geo, Chem, Sci, Eng/Hist)
Education	(All subjects useful)
Engineering (Professional)	Calc, Phys for all courses; Chem
Environmental Science	Stats, Bio, Chem, (Geo, Eng, Sci useful)
Fashion	Two of Art/Photo/Art-Design/Graphics/Art Hist/Classics, Eng
Finance	Eco, Stats (Calc, Acco, Eng/Hist/Art Hist/Classics)
Fine Arts	Art-Painting + one of Art-Design, Photo, Graphics, other Art Hist/Classics
Forensic Science	Bio, Chem, Stats (training only available at graduate level after a B.Sc.)
Forestry	Bio, Stats (Chem/Science, Geog/Hist/English, Calc useful)
Horticulture	Bio, Chem, Stats (Physics/Sci, Eng/Hist/Geo useful)
Hotel/Hospitality Mgmt	Eco or Acco (a foreign language useful, Stats)
Information Sciences	Calc, Stats, Physics
Journalism	Eng+ at least one of Classics/Hist/Art Hist/Econ/Geo
Landscape Architecture	At least one of Graphics/Art/Art-Design/Eng/Art Hist/Classics
Law	Eng + at least one of Hist/Classics/Art Hist/any Sci
Librarianship	Eng + at least one of Hist/Classics/Art Hist/Geo
Management	Stats + at least one of Eco/Acco (Calc)
Marine Science	Mix of Stats, Bio, Chem, Geo, Phys, Sci needed; (training only available at graduate level after a B.Sc.)
Mathematics	Calc, Stats
Media	Eng + at least one of Classics/Hist/Art Hist/Eco/ Geo
Med Lab Science	Stats, Bio, Chem (Phys, Eng/Hist/Art Hist/Classics/Geo useful)
Medicine	Must have Eng/Te Reo or Classics/Art Hist + Bio, Chem, Physics, Sta/Calc
Midwifery	Bio, Chem/Science, Stats, Eng/Classics/Art Hist, Chem preferred
Music	Music (Languages, English very useful, all others useful)
Nursing	Bio, Chem/Science, Stats, Eng/Classics/Art Hist
Occupational Therapy	(Stats, Chem, Bio, Science) Eng/Classic/Art Hist
Optometry	Chem, Bio, Stats, Phys (Eng/Hist/Art Hist/Classics, Art/Photo/Art Design)
Performing Arts	Eng+ one of Classics, Art Hist/Hist (2 nd language useful) Eng.
Pharmacy	Bio, Chem, Stats or Calc (Phys needed if applying to Otago)
Physical /Outdoor Education	(Stats, Bio, Geo, Eng/Hist/Classics useful) Chem
Physiotherapy	Stats, Bio, Chem/Sci Note: Bio, Chem, Physics for Otago)
Planning	Eco, Geog + Stats/Calc (Bio, Eng/Hist useful)
Plant Sciences	Stats, Chem Bio (Science)
Property	Eco, Stats (Calc, Acco, Eng/Hist also useful)
Psychology	Eng, Stats + at least one of Hist, Geo, Classics, Art Hist
Quantity Surveying	Stats/Calc, (Acco, Eng/Hist/Geo, Physics useful)
Radiology	Stats/Calc, Phys/Science (course requirements vary)
Social Work	Eng, Stats + at least one Hist, Geo, Classics, Art Hist
Soil Science	Chem, Stats and/or Calc (Phys, Geo)
Speech-Language Therapy	(All subjects useful)
Sports Coaching/Mgmt	(Eco/Acco, Stats useful) Eng/Art Hist/Classics, PE
Sports Science	Stats, (Bio, Chem, Sci useful) Eng/Classics
Statistics	Calc, Stats
Surveying (Land)	Calc, Phys, Geo (Stats, Eng also useful)
Teaching	Need to take subjects relevant to the type of teaching intended
Technology	Phys, Chem, + Calc/Stats (Bio needed for Bio/Food Env. Tech options)
Theology	(Eng, Hist, Classics, Art Hist, Geo)
Tourism	(Stats, Eco/Acctng, Geo, Eng/Hist/Art Hist/Classics)
Valuation	Eco, Stats (Calc, Acco, English/Geo/Hist/Art Hist/Classics)
Vet Science	Stats, Bio, Chem, Phys + Eng/Hist/Art Hist/Classics
Visual Arts	Art/Photo/Art-Design/Graphics/Eng/Art Hist
Wine Science	Stats, Chem (Bio, Geo, Sci useful)
Weather Science	Phys, Stats and/or Calc, Eng/Hist/Geo

Please Note: Different universities have very specific requirements for certain degrees. Students need to check the latest University Prospectus before choosing subjects or see Mrs Grant to check they have the correct information.

SUBJECT PROGRESSION YEARS 9 to 13

	Year 9	Year 10	Year 11	Year 12	Year 13
English & Languages	<u>English</u> French Spanish Japanese Introduction to Te Reo me ngā Tikanga Māori Te Reo me ngā Tikanga Māori	<u>English</u> French* Japanese* Te Reo Māori me ngā Tikanga Māori* Toi Whakaari Māori (Performing Arts)	<u>English 01* or English 02 or Communication Skills</u> French* Japanese* Te Reo Māori me ngā Tikanga Māori* Toi Whakaari Māori (Performing Arts)	<u>English 01* or English 02* or English 03*</u> French* Japanese* Te Reo Māori me ngā Tikanga Māori* Toi Whakaari Māori (Performing Arts)	English 01* or English 02* French* Japanese* Te Reo Māori me ngā Tikanga Māori* Media Studies*
Mathematics	<u>Mathematics</u>	<u>Mathematics</u>	<u>Mathematics 01* or Mathematics 02* or Mathematics 03 or Mathematics 04</u>	Mathematics for Engineering and the Physical Sciences* Mathematics for Social and Health Sciences* Mathematics for Numeracy*	Calculus* Statistics Mathematics
Health & Physical Education	<u>Life Skills</u> <u>Physical Education</u> Outdoor Education	<u>Life Skills</u> <u>Physical Education</u> Learning through Sport Skill Development in the Outdoors Risk in the Outdoors	Health Physical Education Sport & Outdoor Education	Health Physical Education* Sport & Recreation* High Performance Programme* Services Preparation*	Health* Physical Education* Sport & Recreation* Outdoor Education & Leadership High Performance Programme* Services Preparation*
Science	<u>Science</u>	<u>Science</u> Science – Further Exploration	<u>Science (01)* or Science (02)* or Science (03)* or Agricultural Science</u> Food Science	Biology* Chemistry* Physics* Farming Skills* Environmental Action	Biology* Chemistry* Physics* Farming Skills*
Social Sciences	<u>Social Studies</u>	<u>Social Studies</u> Social Studies – Further Exploration	Accounting* Economics Geography* History*	Accounting* Economics* Enterprise Studies* Geography* Classical Studies* History* Tourism*	Accounting* Economics* Enterprise Studies* Geography* Classical Studies* History* Tourism*
Technology	Digital Technologies Food and Nutrition Resistant Materials – Metal & Design and Visual Communication Resistant Materials – Wood & Design and Visual Communication Textile Materials & Design and Visual Communication	Design and Visual Communication Digital Technologies Master Food Cultural Food Resistant Materials – Metal Resistant Materials – Wood Textile Materials	Design and Visual Communication Digital Technologies Hospitality* Food Technology and Nutrition* Engineering* Resistant Materials - Wood Textile Materials	Design and Visual Communication Digital Technologies 01* or Digital Technologies 02* Hospitality Food and Nutrition* Driver Education* Engineering* Resistant Materials - Wood Textile Materials	Design and Visual Communication* Digital Technologies 01* or Digital Technologies 02* Food Technology Hospitality Engineering/ Automotive* Carpentry / Joinery* Textiles Materials
The Arts	Visual Arts Drama Music Dance	Visual Arts (drawing towards painting) Visual Arts (drawing towards design) Drama Musical Theatre Music Performance with Technology Music Performance with Theory Dance	Visual Arts* Drama* Making Music* Enhanced Performance Dance*	Visual Arts maximum 2 From - Design* or Painting* or Photography* Drama* Music* Enhanced Performance Dance*	Visual Arts maximum 2 From - Design* or Painting* or Photography* Drama* Music* Enhanced Performance Dance*
Other	ALP – Literacy Programme ELP – Enhanced Learning Project Based Learning	ELP – Enhanced Learning Programme	Gateway Employment Skills* Project Based Learning	Gateway Employment Skills* Trades Academy	Gateway Trades Academy

Underlined subjects are compulsory. * These subjects require a prerequisite – see Teacher in Charge of subject for exemption.

In Year 13 students studying Hospitality, Tourism or Trades will have Gateway placements offered as part of their programme.

Other students will tend to have a placement during school holidays. There is a selection process for students seeking Gateway in Years 11, 12 and 13.

✂ ----- Cut here and remove this sheet to bring to school for your course interview -----

TAUPO-NUI-A-TIA COLLEGE : COURSE PLANNING SHEET

STUDENT NAME TUTOR GROUP

If you are in Year 11 or 12 enter the subjects you are currently studying, or studied last year.

Over the next few weeks you must fill in this sheet in consultation with your parents and bring it with you to your course selection interview.

At the interview you will make choices about the subjects you wish to study next year. There will be an opportunity for you and your parents to discuss your choices at a parents' information evening.

S T A R T	When I leave school, I hope to...	Do a degree at University or Polytechnic or Teacher training <input type="checkbox"/>	The degree will possibly be in: _____ _____ _____ _____	For this I require Year 13 5 Subjects 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	Year 12 6 Subjects 1. English _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____	Year 11 6 Subjects 1. English _____ 2. Mathematics _____ 3. Science _____ 4. _____ 5. _____ 6. _____
		Do a diploma or certificate or apprenticeship Polytechnic or some other training institution <input type="checkbox"/>	The training will possibly be in: _____ _____ _____	For this I require Year 13 5 Subjects 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	Year 12 6 Subjects 1. English _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____	Year 11 6 Subjects 1. English _____ 2. Mathematics _____ 3. Science _____ 4. _____ 5. _____ 6. _____
		Get a job immediately <input type="checkbox"/>	as a _____	For this I require Year 13 5 Subjects 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	Year 12 6 Subjects 1. English _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____	Year 11 6 Subjects 1. English _____ 2. Mathematics _____ 3. Science _____ 4. _____ 5. _____ 6. _____
		Undecided <input type="checkbox"/>	so I must keep my course as general as possible	For this I require Year 13 5 Subjects 1. _____ 2. _____ 3. _____ 4. _____ 5. _____	Year 12 6 Subjects 1. English _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____	Year 11 6 Subjects 1. English _____ 2. Mathematics _____ 3. Science _____ 4. _____ 5. _____ 6. _____

Please Note: Students will need to make another subject choice where clashes occur and/or where course numbers are low (i.e. the subject cannot run). Students will receive a course confirmation letter in Term 4.