



TE AROHA COLLEGE

Course Selection Guide

Year 12 & 13

NCEA Levels 2 & 3

2021

Te Aroha College Graduate Profile



Students of Te Aroha College are our future, they will be confident, connected, well rounded and have a clear future direction. They will have pride, purpose and flexibility. They will seek excellence and excel locally, nationally and internationally in their chosen strengths. They will be culturally aware and demonstrate tolerance, respect and understanding and will go out into the world and sustainably take responsibility for themselves and those who rely on them.

Choosing your Level 2 and Level 3 NCEA Course deserves careful thought and consideration. Our aim is to provide you with subjects you are interested in, which will benefit you in future years, and support your chosen career and employment or lead you to further academic study.

This Course Selection Guide provides you with outlines for Levels 2 and 3 NCEA courses which will probably be offered through timetabled classes in 2021. Courses will only go ahead with sufficient numbers, others can be taken through the Correspondence School.

Every student must complete Preliminary Course Selection by Wednesday, 14 October

- ◇ On line using the website– <https://tearoha.schoolpoint.co.nz>
- ◇ The Link is also on school website: <https://tearoha.school.nz>
- ◇ Students sign in with student username and password
- ◇ Those without internet access should complete at school

Students will be given allocated school time on Wednesday, 14 October if not already completed

Students' Course Selection will be finalised in consultation with their Dean.

Requirements for Level 2 NCEA:

- Students must gain at least 80 credits as follows:
 - 60 credits from Level 2 or above
 - 20 credits at Level 1 or above

Requirements for Level 3 NCEA:

- Students must gain at least 80 credits as follows:
 - 60 credits from Level 3 or above
 - 20 credits at Level 2 or above

Requirements for University Entrance:

- Level 3 NCEA
- at least 14 credits in at least 3 approved Level 3 subjects
- 5 Reading credits and 5 Writing credits from assessments nominated as University Entrance Literacy credits. These are noted in the course outlines as R or W
- at least 10 Numeracy credits at Level 1 or above

Overall Merit or Excellence Endorsements

- at least 50 Achievement Standard credits at Merit or Excellence

Subject Merit or Excellence Endorsements

- at least 14 Achievement Standard credits at Merit or Excellence, including at least 3 credits in both internal and external assessments

Correspondence School

Students wishing to take a subject not currently being offered, or if there are insufficient numbers to form a class, may complete a dual enrolment with the Correspondence School, *Te Aho o Te Kura Pounamu*, at no cost. Please contact Ms Scott (rscott@tacol.nz) to discuss this option. Only students with a demonstrated independent work ethic are considered.

Vocational Pathways and course selection

National career indicators are clearly advising that future job markets are rapidly evolving and students need to be immersed in a culture of adaptability when career planning.

The Vocational Pathways structure was designed to link secondary education to tertiary study in a rapidly changing work environment. Vocational Pathways helps you to see how your strengths and achievements relate to future study options and job opportunities. The pathways provide clear indication of where a subject fits into the real world, and what is valued by employers.

The pathways cover six broad industry sectors:

- Manufacturing and technology
- Construction and infrastructure
- Creative industries
- Primary industries
- Social and community services
- Services industries



When you are selecting your courses for next year, you should consider how the subject programmes relate to your intended vocational pathway.

Your dean and form teacher are available should you have any questions.

Smart Paths Programme

We offer these Toi Ohomai and Taratahi Tertiary based Smart Path programmes to students in years 12 and 13:

- Automotive
- Hospitality
- Sport Coaching
- Agriculture
- Construction
- Early Childhood



These are up to 20 credit approved Level 2 and 3 programmes that are externally moderated but internally delivered with the support of our external providers and on-site specialty days of intensive learning. The programmes fit within our NZQA structures and are run within our Smart Day programme as full day options.

The Smart Paths programme will continue to be developed to include broader areas of trade-based learning enhancing and linking standard curriculum and other practical Smart Day options for students.

We will also be continuing to support year 11, 12 and 13 students to further explore their future pathways by creating specialist taster programmes at Toi Ohomai and with other tertiary providers.

Smart Path selections will take place during Term 1 of 2021 and do not need to be chosen in this year's course selection process. However expressions of interest in participation in a Smart Path in 2021 *will* be required.

Any student applying for a Smart Path Programme must have full approval from Mr Ken Rowe, Leader of the Smart Path Team (krowe@tacol.nz).

Gateway Programme

The Gateway team is developing a cohesive strategy for supporting our students to make considered career choices. Gateway is offered to Year 12 and 13 students as a vocational pathway into the workforce. The Gateway programme consists of:

- a work experience placement, run on Smart Day
- the completion of 20 credits in class (in Gateway class or another industry-relevant class)
- additional specialist courses

NB: Students can take a Gateway placement without enrolling in timetabled Gateway Support class, however students must be in a Gateway placement in order to enrol in the Gateway Support class.

These placements, as well as relevant units of work, are organised by the Gateway co-ordinator Mrs Sarah Verran-Tye.

In Terms 2 and 3, as agreed with the Smart Paths team, there will be a number of generic courses run for Gateway students (priority students) and all year 12s and 13s. These may include:

- First Aid
- Health and Safety
- Leadership
- Security
- Scaffolding
- Drivers' Licences

Special Assessment Conditions or SAC

NZQA recognize that some students have learning needs or medical needs which require special assessment conditions (SAC) during NZQA assessments. This can provide students with a reader or writer, use of a computer, a separate room, additional time, braille paper or large print. SAC apply to assessments during the year, and/or to exams at the end of the year.



For example, a student with dyslexia could be provided with someone to read the exam questions, write down answers, or a computer to type answers. A student with anxiety, epilepsy or diabetes could sit their exam in a separate room and have rest breaks.

The process to obtain SAC is formal and an application to NZQA is made by Te Aroha College. Students with learning needs must be assessed by a specialist. Students with medical needs must provide documentation from a medical practitioner. Te Aroha College can help with obtaining the necessary testing and documentation, or caregivers can do this themselves.

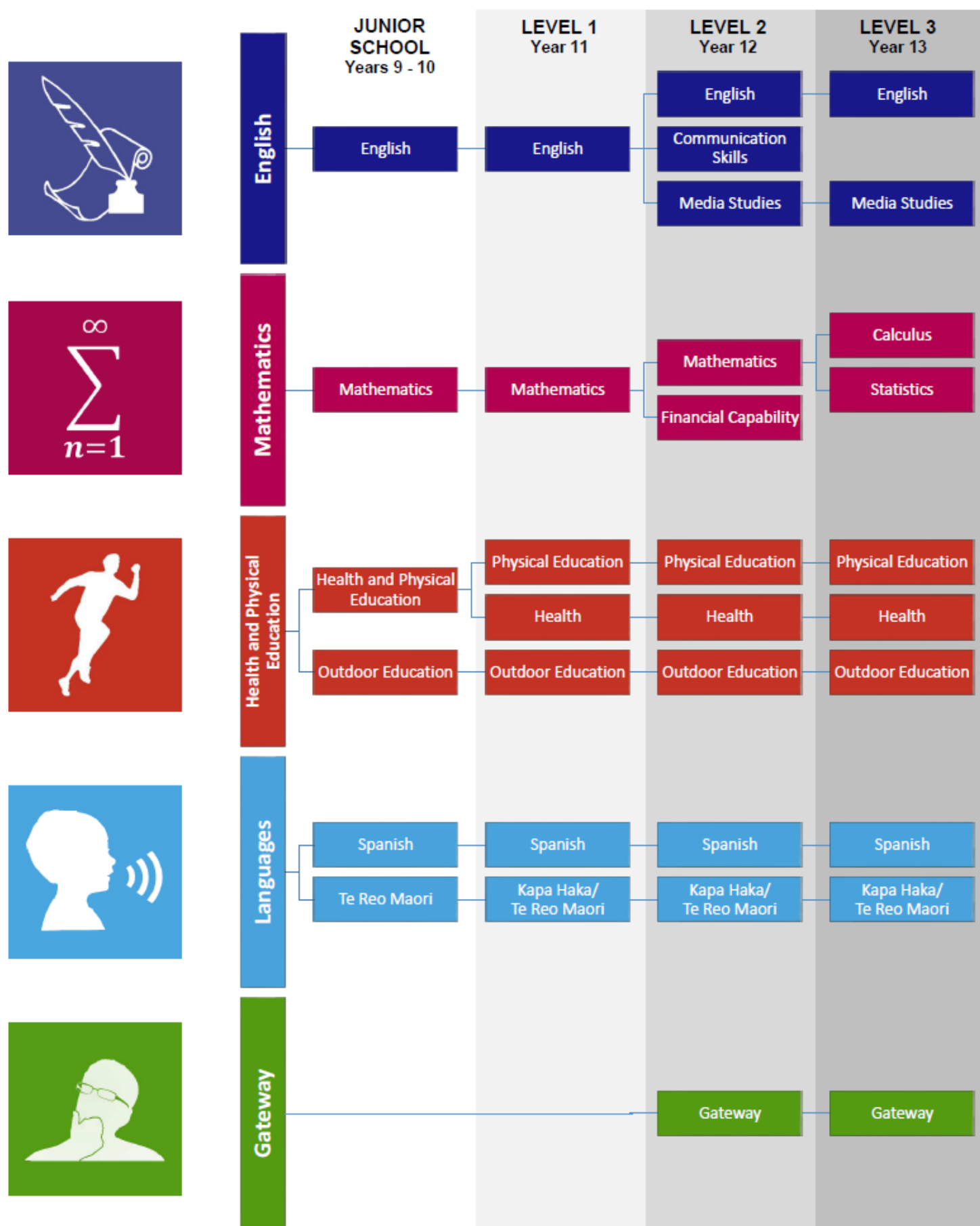
SACs do not cover students who have a sudden illness or injury, for example a broken arm just before exams. This is covered by the Derived Grade and practice exam process.

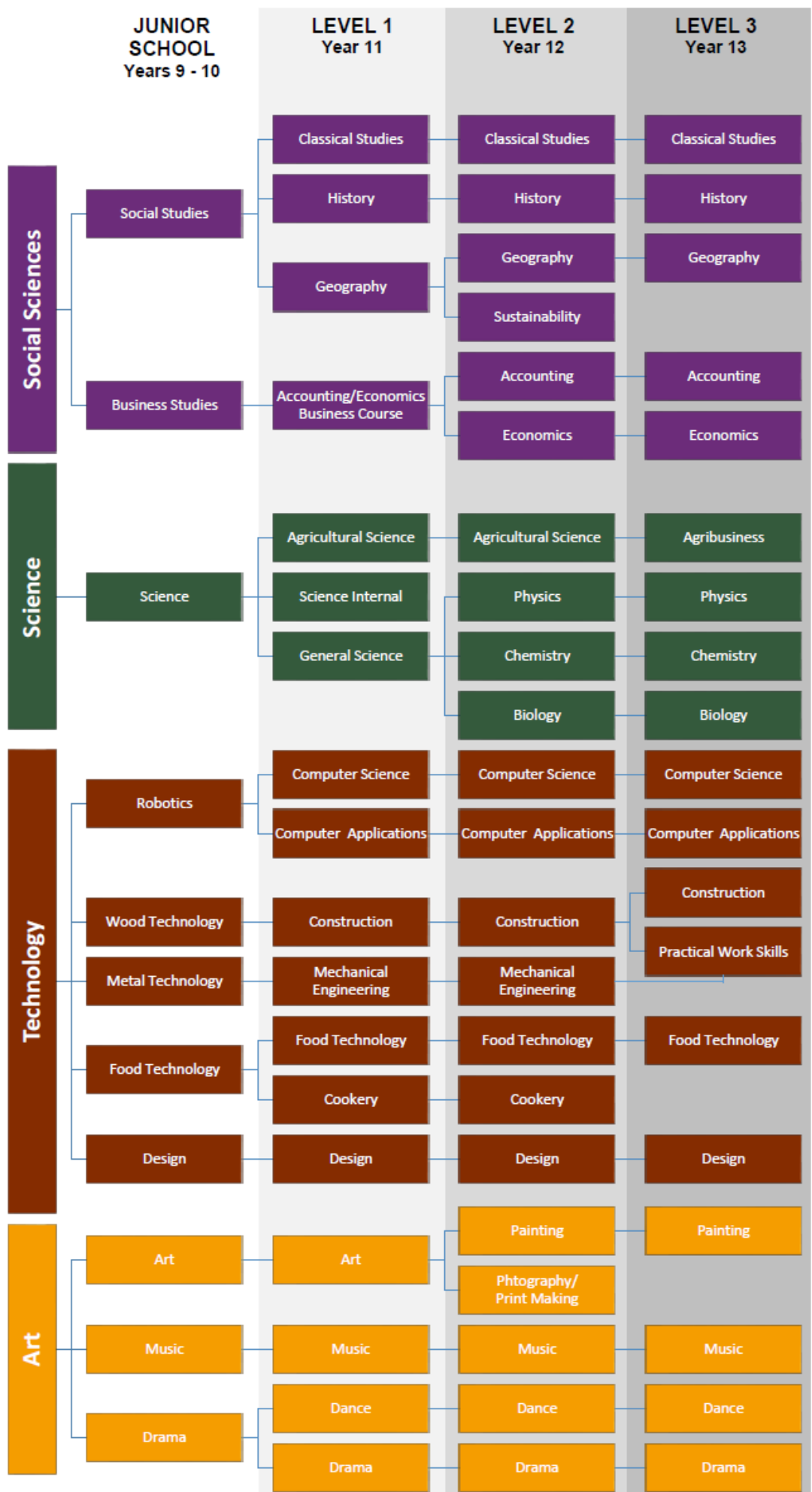
If you would like to know more about obtaining SAC for your child, please contact Rachel Scott (rscott@tacol.nz), Principal's Nominee for NZQA, in the first instance. From there you may be referred to other staff members for assistance to obtain the necessary reports.

This link takes you to NZQA's SAC information <https://www.nzqa.govt.nz/providers-partners/assessment-and-moderation-of-standards/managing-national-assessment-in-schools/special-assessment-conditions/>

Subject Map

This Subject Map will help you chart your subject selections from Year 9 to Year 13.





Select 6 subjects from the options which follow.

Pay close attention to the Pre-Requisites required.

Ensure you have a range of subjects which will allow you to keep your options open as your interests change.

ACCOUNTING, BUSINESS AND ECONOMICS

Course Title: Accounting L2 (12ACC)

Pre-Requisites: Level 1 Accounting or HOD approval

Course Costs: Workbooks \$28, Study Guides (optional) \$20

Total Credits Available: 19

Internally Assessed: 10

Externally Assessed: 9

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91179	Demonstrate understanding of accounts receivable subsystem for an entity	Int	3	Y	N
AS91175	Demonstrate understanding of accounting processing using software	Int	4	Y	N
AS1176	Prepare financial information for an entity that operates accounting subsystems	Ext	5	Y	N
AS91177	Interpret accounting information for sole proprietors that operate accounting subsystems	Ext	4	Y	N
AS91386	Demonstrate understanding of an inventory subsystem for an entity	Int	3	Y	N

Course Highlights: This course will enhance students' understanding of the financial world and how wealth is generated. Recommended for any student wishing to study management or own their own business in the future. Bookkeeping is a skill, once learned students are able to apply this knowledge. Students gain confidence and enjoy this subject as there is always an absolute answer.

Vocational Pathway: Creative Industries, Services Industries.

This course can lead to: Level 3 Accounting.

For more information, please see Mr Darby

Course Title: Accounting L3 (13ACC)

Pre-Requisites: Level 1 or 2 Accounting or HOD approval

Course Costs: Workbooks \$30, Study Guides (optional) \$20

Total Credits Available: 22

Internally Assessed: 13

Externally Assessed: 9

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91405	Demonstrate understanding of accounting for partnerships	Int	4	Y	N
AS91406	Demonstrate understanding of company financial statement preparation	Ext	5	Y	N
AS91407	Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity	Int	5	Y	R&W
AS91408	Demonstrate understanding of management accounting to make a decision	Ext	4	Y	N
AS91409	Demonstrate understanding of a job cost subsystem	Int	4	Y	N

Course Highlights: This course will enhance students understanding of the financial world and how wealth is generated. Recommended for any student wishing to study management or own their own business in the future. Bookkeeping is a skill, once learned students are able to apply this knowledge. Students gain confidence and enjoy this subject as there is always an absolute answer.

Vocational Pathway: Creative Industries, Services Industries.

This course can lead to: Further Tertiary study or working in administration.

For more information, please see Mr Darby

Course Title: Economics L2 (12ECO)

Pre-Requisites: Level 1 NCEA.

Course Costs: Workbook \$30.00

Total Credits Available: 18

Internally assessed: 10

Externally assessed: 8

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91226	Analyse statistical data relating to contemporary economic issues	Int	4	Y	N
AS91227	Analyse how government policies and contemporary economic issues interact	Int	6	N	R
AS91224	Analyse economic growth using economic concepts and models	Ext	4	N	W
AS91222	Analyse inflation using economic concepts and models	Ext	4	N	W

Course Highlights: By studying Economics, students will be able to: develop an understanding of the New Zealand economy and the policies that the Government uses to manage it; make connections between New Zealand's economy and the global economy. Students will become financially capable. They will be able to: make reasoned decisions about use of credit; develop spreadsheets and interpret business and economic statistics; use economic models (both macro and micro) to enable critical thinking about the real world and so be able to explain the real world or make predictions about it. These critical thinking skills are highly valued in job markets.

Vocational Pathway: Services Industries.

This course can lead to: Level 3 Economics, Tertiary study.

For more information, please see Mr Darby

Course Title: Economics L3 (13ECO)

Pre-Requisites: Level 2 NCEA

Course Costs: Workbook \$30.00

Total Credits Available: 20 Internally Assessed: 10

Externally Assessed: 10

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91401	Demonstrate understanding of micro-economic concepts	Int	5	N	N
AS91402	Demonstrate understanding of government interventions to correct market failures	Int	5	N	N
AS91403	Demonstrate understanding of macro-economic influences on the N Z economy	Ext	6	N	N
AS91399	Demonstrate understanding of the efficiency of market equilibrium	Ext	4	N	R

Course Highlights: By studying Economics, students will be able to: develop an understanding of the New Zealand economy and the policies that the Government uses to manage it; make connections between New Zealand's economy and the global economy. Students will become financially capable. They will be able to: make reasoned decisions about use of credit; develop spreadsheets and interpret business and economic statistics; use economic models (both macro and micro) to enable critical thinking about the real world and so be able to explain the real world or make predictions about it. These critical thinking skills are highly valued in job markets.

Vocational Pathway: Services Industries.

This course can lead to: Further study in Commerce at University.

For more information, please see Mr Darby

ARTS, PERFORMING ARTS AND LANGUAGES

Course Title: Art – Photography and Printmaking L2 (12PHOTO)

Pre-Requisites: Level 1 Art (10 credits) or approval from Ms Baylis

Course Costs: \$80 equipment & materials fee, \$30 for possible Art Trip (tbc)

Total Credits Available: 20

Internally Assessed: 8

Externally Assessed: 12

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91313	Use drawing methods to apply knowledge of conventions appropriate to printmaking	Int	4	N	N
AS91312	Use drawing methods to apply knowledge of conventions appropriate to photography	Int	4	N	N
AS91323	Produce a systematic body of work that shows understanding of art making conventions and ideas within printmaking	Ext	12	N	N
AS91322	OR Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	Ext	12	N	N

Course Highlights: Explore your personal creative identity using photography and printmaking techniques including drawing, linocuts, drypoint etchings, screen printing and mono-prints. Students will learn about photography and printmaking, then choose one for their folio boards.

Vocational Pathway: Creative Industries.

This course can lead to: Level 3 Art Course in either Painting, Photography or Printmaking. Exciting creative careers such as Artist, Illustrator, Photographer, Gallery Owner, Architect, Fashion Designer, Interior Designer, Film Director, Film or TV production, Advertising Designer, Media Design, Art Teacher, Art Therapist.

For more information, please see Ms Baylis

Course Title: Art – Senior Painting L2 (12PAINT)**Pre-Requisites:** Level 1 Art (10 credits) or approval from Ms Baylis**Course Costs:** \$80 equipment & materials fee, \$30 for possible Art Trip (tbc)**Total Credits Available:** 20**Internally Assessed:** 8**Externally Assessed:** 12

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91311	Use drawing methods to apply knowledge of conventions appropriate to painting	Int	4	N	N
AS91316	Develop ideas in a related series of drawings appropriate to established painting practice	Int	4	N	N
AS91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	Ext	12	N	N

Course Highlights: Explore your personal creative identity through hands on drawing and painting. Our Year 12 theme will be 'Play' and we will play with the expressive potential of paint through texture, colour and image.

Vocational Pathway: Creative Industries.

This course can lead to: Level 3 Painting or Printmaking, exciting creative careers such as Artist, Illustrator, Photographer, Gallery Owner, Architect, Fashion Designer, Interior Designer, Film Director, Film or TV production, Post Production, Advertising Designer, Media Design, Art Teacher, Art Therapist.

For more information, please see Ms Baylis

Course Title: Art – Senior Painting L3 (13PAINT)**Pre-Requisites:** 8 credits in Level 2 Painting or approval from Ms Baylis**Course Costs:** \$80 equipment & materials fee, \$30 for possible Art Trip (tbc)**Total Credits Available:** 22**Internally Assessed:** 8**Externally Assessed:** 14

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91446	Use drawing to demonstrate understanding of conventions appropriate to painting	Int	4	N	N
AS91451	Systematically clarify ideas using drawing informed by established painting practice	Int	4	N	N
AS91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	Ext	14	N	N

Course Highlights: Developing a personal style in Year 13 Painting through experimenting with a range of Artist models with different approaches. Exploring themes and ideas in depth in a Painting portfolio. This course can lead to: Tertiary study in Art or Design. Exciting creative careers such as Artist, Illustrator, Photographer, Gallery owner, Architect, Fashion Designer, Interior Designer, Film Director, Film or TV production, Post Production, Advertising Designer, Media Design, Art Teacher, Art Therapist.

Vocational Pathway: Creative Industries.

For more information, please see Ms Baylis

Course Title: Dance L2 (12DANCE)

Pre-Requisites: An ability to create and invent movement. Through creative movement, we express our personal stories, whakapapa, knowledge, experiences, opinions and future goals. In Dance, identity is central to learning. Writing/planning in a dance portfolio is required. Students need to be able to manage themselves and relate to others well.

Course Costs: \$36 to see at least one dance performance and attend at least one dance workshop in Tauranga and/or Hamilton.

Total Credits Available: 12

Internally Assessed: 12

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91205	Choreograph a group dance to communicate an intention	Int	4	N	N
AS91206	Choreograph a solo dance to communicate an intention	Int	4	N	N
AS91208	Perform a theatre dance to communicate understanding of the dance (<i>Stage Quest</i>)	Int	4	N	N

Course Highlights: Create theatre performances, Theatre visits. This course has a huge effect on confidence and relationship building.

Vocational Pathway: Creative Industries.

This course can lead to: Level 3; subject endorsement; a career in the performing arts and teaching.

For more information, please see the Head of Arts, Ms Hagan

Course Title: Dance L3 (13DANCE)

Pre-Requisites: An ability to create and invent movement. Through creative movement, we express our personal stories, whakapapa, knowledge, experiences, opinions and future goals. In Dance, identity is central to learning. Writing/ planning in a dance portfolio is required. Students need to be able to manage themselves and relate to others well.

Course Costs: \$36 to see at least one dance performance in Tauranga and/or Hamilton.

Total Credits Available: 16

Internally Assessed: 16

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91588	Produce a dance to realise a concept	Int	8	N	N
AS91589	Choreograph a dance to develop and resolve ideas	Int	4	N	N
AS91590	Perform a solo or duet dance	Int	4	N	N

Course Highlights: Create theatre performances, Theatre visits.

Vocational Pathway: Creative Industries.

This course can lead to: confidence and relationship building; ultimately, a career in the performing arts and teaching.

For more information, please see the Head of Arts, Ms Hagan

Course Title: Drama L2 (12DRAMA)

Pre-Requisites: Students need to be able to manage themselves and relate to others well. They must be prepared to perform in front of an audience in one acting role.

Course Costs: \$36 to see at least one play performance in Tauranga and/or Hamilton.

Total Credits Available: 14 **Internally Assessed:** 14 **Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91213	Apply drama techniques in a scripted context	Int	4	N	R
AS91214	Devise and perform a drama to realise an intention	Int	5	N	N
AS91218	Perform a substantial acting role in a scripted production	Int	5	N	R

Course Highlights: Create theatre performances, Theatre visits.

Vocational Pathway: Creative Industries.

This course can lead to: Confidence and relationship building; UE Reading/Writing Literacy; internally assessed course at Level 3; subject endorsement; a career in stage-craft including Acting, Lighting, Sound, Film, TV, Journalism, Marketing, Communications and Public Relations, Teaching, Politics, the Law.

For more information, please see the Head of Arts, Ms Hagan

Course Title: Drama L3 (13DRAMA)

Pre-Requisites: Students need to be able to manage themselves and relate to others well. They must be prepared to perform in front of an audience in one acting role.

Course Costs: \$36 to see at least one play performance in Tauranga and/or Hamilton.

Total Credits Available: 14 **Internally Assessed:** 14 **Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91512	Interpret scripted text to integrate drama techniques in performance	Int	4	N	R
AS91513	Devise and perform a drama to realise a concept	Int	5	N	N
AS91517	Perform a substantial acting role in a significant production	Int	5	N	R

Course Highlights: Create theatre performances, theatre visits.

Vocational Pathway: Creative Industries.

This course can lead to: Confidence and relationship building; UE Reading/Writing Literacy; internally assessed course at Level 3; subject endorsement; a career in Stage-craft including Acting, Lighting, Sound, Film, TV, Journalism, Marketing, Communications and Public Relations, Teaching, Politics, the Law.

For more information, please see the Head of Arts, Ms Hagan

Course Title: Spanish L2 (12SPAN)

Pre-Requisites: 10 credits in Level 1 Spanish, or in consultation with the Teacher of Spanish

Course Costs: \$30 Language Perfect Website subscription (optional)

Total Credits Available: 19

Internally Assessed: 9

Externally Assessed: 10

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91152	Write a variety of text types in Spanish for genuine contexts	Int	5	N	N
AS91150	Give a spoken presentation in Spanish that communicates information, ideas and opinions	Int	4	N	N
AS91151	Demonstrate understanding of a variety of written/visual Spanish text(s) on familiar matters	Ext	5	N	N
AS91148	Demonstrate understanding of a variety of spoken Spanish texts on familiar matters	Ext	5	N	N
<i>Optional</i>					
AS	Interact using spoken Spanish to share information and justify ideas and opinions in different situations	Int	5		

Course Highlights: The course consolidates and develops the four language areas of listening, speaking, reading and writing through a variety of resources and topics which will extend into areas less familiar to students. Students will become comfortable interacting with native speakers, and will be able to explain and debate their ideas and opinions. In addition there is another internal Achievement Standard 2.3: *Interact using spoken Spanish to share information and justify ideas and opinions in different situations* (5 credits), students can elect to attempt this standard based on interest and ability.

Vocational Pathway: Creative Industries, Social and Community Services, Services Industries.

This course can lead to: AFS Language Immersion Scholarships to live in a Spanish Country, greater job opportunities in: tourism, commerce, diplomacy, teaching, journalism or any career of your choice. Knowing Spanish will also help with learning specialist scientific vocabulary.

For more information, please see Ms Gemmell

Course Title: Spanish Level 3 (13SPAN)**Pre-Requisites:** 10 credits in Level 2 Spanish, or in consultation with the Teacher of Spanish**Course Costs:** \$30 Language Perfect Website subscription (optional)**Total Credits Available:** 18 **Internally assessed:** 8 **Externally Assessed:** 10

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91569	Give a clear spoken presentation in Spanish that communicates a critical response to stimulus material	Int	3	N	N
AS91572	Write a variety of text types in clear Spanish to explore and justify varied ideas and perspectives	Int	5	N	N
AS91571	Demonstrate understanding of a variety of extended written/visual Spanish text(s)	Ext	5	N	N
AS91568	Demonstrate understanding of a variety of extended spoken Spanish texts	Ext	5	N	N

Course Highlights: This is the continuation of the course from Level 2 with increased vocabulary and grammatical development. The course extends and develops the four language areas of listening, speaking, reading and writing through a variety of resources and topics. Students will become confident interacting with native speakers, and will be able to explain and debate their ideas and opinions

Scholarship in Spanish: Students who enter Scholarship are required to demonstrate higher level critical thinking. The student will respond in speech and writing in Spanish to complex written and spoken stimulus material in Spanish, manipulating language in an impromptu context.

Vocational Pathway: Creative Industries, Social and Community Services, Services Industries.

This course can lead to: AFS Language Immersion Scholarships to live in a Spanish Country, greater job opportunities in: tourism, commerce, diplomacy, teaching, journalism or any career of your choice. Knowing Spanish will also help with learning specialist scientific vocabulary.

For more information, please see Ms Gemmell

Course Title: Te Reo Māori L2 (12TEREO)**Pre-Requisites:** Motivation and Resilience, Year 10 beneficial and Year 11 Te Reo compulsory**Course Costs:** Stationary costs, daytrips to Māori orientated learners' opportunities and events such as Koroneihana, Ngā Manu Kōrero, Matatini and Hauraki Festival.**Total Credits Available:** 28**Internally Assessed:** 16**Externally Assessed:** 12

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91284	Whakarongo kia mōhio ki te reo o te ao torotoro	Int	4	N	N
AS91285	Kōrero kia whakamahi i te reo o te ao torotoro	Int	6	N	N
AS91288	Waihanga tuhinga auaha, i te reo o te ao torotoro	Int	6	N	W
AS91286	Pānui kia mōhio ki te reo o te ao torotoro	Ext	6	N	R
AS91287	Tuhi i te reo o te ao torotoro	Ext	6	N	R&W

Course highlights: Research famous people, develop better understanding of biculturalism and Te Reo Māori. Learn a number of local waitata, haka and be confident to speak, research, explore, parts of Aotearoa.

Vocational Pathway: Creative Industries.

This course can lead to: Many more employment opportunities, better understanding of New Zealand and what it means to be a New Zealander.

For more information, please see Whaea Arleen to discuss taking this subject and what it entails.

ENGLISH, COMMUNICATION SKILLS AND MEDIA STUDIES

Course Title: English L2 (12ENG1)

Pre-Requisites: 16 credits at Level 1, including Merit/Excellence

Course Costs: Nil

Total Credits Available: 21

Internally Assessed: 17

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91105	Use information literacy skills to form developed conclusion(s)	Int	4	N	R
AS91101	Produce a selection of crafted and controlled writing	Int	6	N	W
AS91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	Int	3	N	N
AS91106	Form personal responses to independently read texts, supported by evidence	Int	4	N	R&W
AS91099	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	Ext	4	N	W

Course Highlights: Writing portfolio, developing critical thinking and analytical skills and applying these to written text and film. This course supports a strong academic programme for students who enjoy English, have strong reading and writing skills, can confidently sit external exams and who are considering tertiary study.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: Increasing enjoyment of reading, writing and speaking. Leads to English at Level 3. Upon successful completion of the course students gain University Entrance Literacy. A subject endorsement is available from this course.

For more information, please see the Head of English, Ms Scott or your Year 11 English teacher

Course Title: English L2 (12ENG2)

Pre-Requisites: 16 credits at Level 1

Course Costs: Nil

Total Credits Available: 17

Internally Assessed: 13

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91105	Use information literacy skills to form developed conclusion(s)	Int	4	N	R
AS91101	Produce a selection of crafted and controlled writing	Int	6	N	W
AS91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	Int	3	N	N
AS91106	Form developed personal responses to independently read texts, supported by evidence	Int	4	N	R
<i>To be confirmed depending on Student's progress at end of Term 3</i>					
AS91099	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	Ext	4	N	W

Course Highlights: Writing portfolio, developing critical thinking and analytical skills and applying these to written text and film. This course supports an academic programme for students who enjoy English but who might not have completed exams at Level 1. Students need strong reading and writing skills.

Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: Increasing enjoyment of reading, writing and speaking. Can lead to English at Level 3 depending on achievement. Upon successful completion of the course students gain University Entrance Literacy. A subject endorsement is available from this course if the external exam is completed.

For more information, please see the Head of English, Ms Scott or your Year 11 English teacher

Course Title: English L2 – Life Skills (12ENG3)

Pre-Requisites: None

Course Costs: Nil

Total Credits Available: 14

Internally Assessed: 14

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US1294	Be interviewed in a formal interview	Int	2	N	N
US2989	Select, read and asses texts on a topic	Int	3		
US3488	Write business correspondence for a workplace	Int	3		
US8824	Research a topic using oral, visual and written sources, and evaluate the research process	Int	3		
US1277	Communicate information in a specified workplace	Int	3		

Course Highlights: Gaining communication skills which will benefit you in the workplace. Writing a CV, practising an interview, practicing literacy skills you will need in the workplace.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: Increasing confidence in reading, writing and speaking which are useful skills in the work place. A subject endorsement is not available from this course. This course does not lead to Level 3 English.

For more information, please see the Head of English, Ms Scott or your Year 11 English teacher

Course Title: English L3 (13ENG1)

Pre-Requisites: 16 credits at Level 2 with Merit/Excellence

Students must have passed Level 2 Standards for Reading Responses, Film Close Read, Writing Portfolio and the Film External Exam

Course Costs: \$10 for Course Book

Total Credits Available: 21

Internally Assessed: 13

Externally Assessed: 8

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91475	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	Int	6	N	W
AS91480	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence	Int	3	N	N
AS91478	Respond critically to significant connections across texts, supported by evidence	Int	4	N	N
AS91473	Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	Ext	4	N	W
<i>Optional depending on Student's course of study and progress at the end of Term 3</i>					
AS91477	Create and deliver a fluent and coherent visual text which develops, sustains and structures ideas	Int	3	N	N
OR					
AS91476	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	Int	3	N	N

Course Highlights: Writing portfolio, developing critical thinking and analytical skills and applying these to written text and film. This course supports a strong academic programme for students who enjoy English, have already demonstrated strong reading and writing skills at Level 2, and who are considering tertiary study.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: Increasing enjoyment of reading, writing and speaking. Successful completion of the course counts towards University Entrance. If students do not already have University Entrance Literacy, they must ensure they can obtain Reading credits from another subject. A subject endorsement is available from this course.

For more information, please see the Head of English, Ms Scott

Course Title: English L3 (13ENG2)

Pre-Requisites: 14 credits at Level 2

Students must have passed Level 2 Standards for Reading Responses, Film Close Read and Writing Portfolio prior to beginning Level 3 English.

Course Costs: \$10 for Course Book

Total Credits Available: 16

Internally Assessed: 16

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
If students have not achieved the Pre-Requisite Level 2 Standards for Reading Responses, Film Close Read and Writing Portfolio these must be passed in Term 1 prior to beginning Level 3 study.					
AS91475	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	Int	6	N	W
AS91480	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence	Int	3	N	N
AS91478	Respond critically to significant connections across texts, supported by evidence	Int	4	N	N
<i>Optional depending on Student's course of study and progress at the end of Term 3</i>					
AS91477	Create and deliver a fluent and coherent visual text which develops, sustains and structures ideas	Int	3	N	N
OR					
AS91476	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	Int	3	N	N

Course Highlights: Writing portfolio, developing critical thinking and analytical skills and applying these to written text and film. This course supports a programme for students who enjoy English, have already demonstrated strong reading and writing skills at Level 2, but who wish to choose an internals only course.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: Increasing enjoyment of reading, writing and speaking. Successful completion of the course counts towards University Entrance. If students do not already have University Entrance Literacy, they must ensure they can obtain Reading credits from another subject. A subject endorsement is not available from this course.

For more information, please see the Head of English, Ms Scott

Course Title: Media Studies L2 (12MEDIA)

Pre-Requisites: 14 credits from Level 1 English

Course Costs: Nil

Total Credits Available: 20

Internally Assessed: 20

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91249	Demonstrate understanding of narrative in media texts	Int	4	N	N
AS91250	Demonstrate understanding of representation in the media	Int	3	N	N
AS91252	Produce a design and plan for a developed media product using a range of conventions	Int	4	N	N
AS91253	Complete a developed media product from a design and plan using a range of conventions	Int	6	N	N
AS91255	Write a developed media text for a specific target audience	Int	3	N	W
<i>Optional</i>					
AS91251	Demonstrate understanding of an aspect of a media genre	Ext	4	N	R&W
AS91254	Demonstrate understanding of an ethical issue in the media	Int	3	N	N

Course Highlights: Analysis of film and television, creating a media product around magazine or short film and understanding media industries. This course is suitable and flexible for distance learning. A subject endorsement may be obtained from this course.

Vocational Pathway: Creative Industries.

This course can lead to: Careers in the media industry. For example, Advertising and Marketing Industry, Digital Communications, Entertainment Industry, Print Industry, Media Design and Media Production.

For more information, please see Miss Maber or Mr Leary

Course Title: Media Studies L3 (13MEDIA)**Pre-Requisites:** Media Studies at Level 2 or 14 credits from Level 2 English**Course Costs:** Nil**Total Credits Available:** 19**Internally Assessed:** 19**Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91491	Demonstrate understanding of the meaning of a media text through different readings	Int	3	N	N
AS91492	Demonstrate understanding of media representation of an aspect of NZ culture/society	Int	3	N	N
AS91494	Produce a design for a media product that meets the requirements of a brief	Int	4	N	N
AS91495	Produce a media product to meet the requirements of a brief	Int	6	N	N
AS91255	Write a media text to meet the requirements of a brief	Int	3	N	W
<i>Optional</i>					
AS91493	Demonstrate understanding of the relationship between a media genre and society	Ext	4	N	R&W
AS91496	Demonstrate understanding of a significant development in the media	Int	3	N	N

Course Highlights: Critical analysis of film and film genres. Creating a media product around magazine or short film, and developing understanding around media industries impact on society. This course is suitable and flexible for distance learning. A subject endorsement may be obtained from this course.

Vocational Pathway: Creative Industries.

This course can lead to: careers in Advertising and Marketing Industry, Digital Communications, Entertainment Industry, Print Industry, Media Design and Media Production.

For more information, please see Miss Maber or Mr Leary

HEALTH, OUTDOOR EDUCATION, PHYSICAL EDUCATION

Course Title: Health L2 (12HEA)

Pre-Requisites: HoL Approval

Course Costs: \$30

Total Credits Available: 20

Internally Assessed: 15

Externally Assessed: 5

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91236	Evaluate factors that influence people's ability to manage change	Int	5	N	N
AS91239	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	Int	5	N	N
AS91237	Take action to enhance an aspect of people's well-being within the school or wider community	Int	5	N	N
AS91235	Analyse an adolescent health issue	Ext	5	N	N

Health education covers broad and diverse topics, which aim to improve critical thinking around current issues relating to health. Students explore in depth the underlying concepts: attitudes and values, hauora/well-being, health promotion and the socio ecological perspective. Students learn about their own position on issues and explore others opinions by applying the underlying concepts.

Vocational Pathway: Primary Industries, Social and Community Services, Services Industries.

This course can lead to: careers as a Teacher, Counsellor, Nurse, Special Education Teacher, Psychologist, Social Worker, Youth Worker, Police Officer, Ambulance Officer, Community Worker and Health Sciences.

For more information, please see Head of Health & PE Mrs Lemon

Course Title: Health L3 (13HEA)

Pre-Requisites: HoL Approval

Course Costs: \$30

Total Credits Available: 19

Internally Assessed: 14

Externally Assessed: 5

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91461	Analyse a New Zealand health issue	Int	5	N	R Lit
AS91463	Evaluate health practices currently used in New Zealand	Int	5	N	R Lit
AS91464	Evaluate models for health promotion	Int	4	N	R Lit
AS91462	Analyse an international health issue	Ext	5	N	R Lit

Health education covers broad and diverse topics, which aim to improve critical thinking around current issues relating to health. Students explore in depth the underlying concepts: attitudes and values, hauora/well-being, health promotion and the socio ecological perspective. Students learn about their own position on issues and explore others opinions by applying the underlying concepts.

Vocational Pathway: Primary Industries, Social and Community Services, Services Industries.

This course can lead to: careers as a Teacher, Counsellor, Nurse, Special Education Teacher, Psychologist, Social Worker, Youth Worker, Police Officer, Ambulance Officer, Community Worker and Health Sciences.

For more information, please see Head of Health & PE Mrs Lemon

Course Title: Outdoor Education L2 (12OED)

Pre-Requisites: HoL Approval

Course Costs: \$270

Total Credits Available: 17

Internally Assessed: 17

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US467	Demonstrate personal and social development through participation in adventure based learning	Int	3	N	N
US473	Demonstrate personal and social development through participation in a high ropes course programme	Int	3	N	N
US457	Mountain bike on intermediate to expert terrain	Int	2	N	N
US459	Complete a cycle tour	Int	3	N	N
AS91333	Analyse the application of risk management strategies to a challenging outdoor activity	Int	3	N	N
US489	Demonstrate sea kayaking skills on sheltered or slow-moving water	Int	3	N	N

Course Highlights: High ropes day at Karapiro, two day mountain biking trip to Rotorua and Taupo, three day cycle tour/timber trail, two day kayak/Lake Taupo (camping).

Vocational Pathway: Social and Community Services, Services Industries.

This course can lead to: careers in the outdoor and tourism industry, for example Outdoors Instructor and Tour Guide.

For more information, please see Head of Health & PE Mrs Lemon

Course Title: Outdoor Education L3 (13OED)

Pre-Requisites: HoL Approval

Course Costs: \$340

Total Credits Available: 26

Internally Assessed: 26

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US24663	Demonstrate leadership while participating in an adventure based learning programme	Int	3	N	N
US26249	Demonstrate bush-walking knowledge and skills	Int	5	N	N
US430	Demonstrate bush survival skills	Int	3	N	N
US26246	Demonstrate mountain biking knowledge and skills	Int	5	N	N
US19428	Prepare for sea kayaking and demonstrate sea kayaking skills in sheltered sea conditions	Int	10	N	N

Course Highlights: ABL day at Taupo High Ropes; three day bush survival at Wairere Falls; 2 day mountain bike assessment, 440 Mtb Park, Auckland; four day sea kayak expedition at Coromandel Peninsula.

Vocational Pathway: Social and Community Services, Services Industries.

This course can lead to: careers in the outdoor and tourism industry, for example Outdoors Instructor and Tour Guide.

For more information, please see Head of Health & PE Mrs Lemon

Course Title: **Physical Education L2 (12PE)**

Pre-Requisites: HoL Approval

Course Costs: \$30

Total Credits Available: 16 **Internally Assessed:** 16 **Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91329	Demonstrate understanding of the application of biophysical principles to training for physical activity	Int	4	N	N
AS91328	Demonstrate understanding of how biophysical principles relate to the learning of physical skills	Int	5	N	N
AS91330	Perform a physical activity in an applied setting	Int	4	N	N
AS91335	Examine the implementation and outcomes of a physical activity event or opportunity	Int	3	N	N

Course Highlights: Physical Education covers the topics of anatomy, biomechanics, exercise physiology, personal training, teaching and motor skill learning using an applied learning context.

Vocational Pathway: Primary Industries, Social and Community Services, Services Industries.

This course can lead to: careers as a Teacher, Nurse, Personal Trainer, Group Fitness Instructor, Army, Navy, Police, Ambulance Officer, Coach, Physiotherapist, Health Sciences, and Trainer.

For more information, please see Head of Health & PE Mrs Lemon

Course Title: **Physical Education L3 (13PE)**

Pre-Requisites: HoL Approval

Course Costs: \$30

Total Credits Available: 19 **Internally Assessed:** 19 **Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91499	Analyse a physical skill performed by self or others	Int	3	N	N
AS91500	Evaluate the effectiveness of a performance improvement programme	Int	4	Y	N
AS91501	Demonstrate quality performance of a physical activity in an applied setting	Int	4	Y	N
AS91502	Examine a current trend or issue impacting on New Zealand Society	Int	4	N	Lit R
AS91789	Devise strategies for a physical activity outcome	Int	4	Y	N

Course Highlights: Physical Education covers the topics of anatomy, biomechanics, exercise physiology, training programmes and motor skill learning using an applied learning context.

Vocational Pathway: Primary Industries, Social and Community Services, Services Industries.

This course can lead to: careers as a Teacher, Nurse, Personal Trainer, Group Fitness Instructor, Army, Navy, Police, Ambulance Officer, Coach, Physiotherapist, Health Sciences, and Trainer.

For more information, please see Head of Health & PE Mrs Lemon

MATHEMATICS

CALCULUS, FINANCIAL CAPABILITY, STATISTICS

Course Title: **Mathematics L2a (12MATHS)**

Pre-Requisites: Completion of Level 1 Full Achievement Standard course. At least an Achieved grade in Algebra at Level 1.

Course Costs: Workbook \$28.00

Total Credits Available: 20

Internally Assessed: 11

Externally Assessed: 9

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91257	Apply graphical methods in solving problems	Int	4	Y	N
AS91259	Apply Trigonometric relationships in solving problems	Int	3	Y	N
AS91264	Use statistical methods to make an inference	Int	4	Y	N
AS91267	Apply probability methods in solving problems	Ext	4	Y	N
AS91262	Apply calculus methods in solving problems	Ext	5	Y	N

Course Highlights: This course is for students who need Mathematics at Level 2 for their future study or career. It is strongly recommended for students doing Physics at Level 2. This course will best prepare students for both Mathematics with Calculus and Mathematics with Statistics at Level 3.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: Mathematics with Calculus and/or Level 3 Mathematics with Statistics.

For more information, please see Head of Maths Mr Darby or your Level 1 Mathematics Teacher.

Course Title: Mathematics L2b (12MATHSB)**Pre-Requisites:** Completion of Level 1 Full Mathematics course.**Course Costs:** Workbook \$28.00**Total Credits Available:** 15**Internally Assessed:** 11**Externally Assessed:** 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91258	Apply sequences and series in solving problems	Int	2	Y	N
AS91259	Apply Trigonometric relationships in solving problems	Int	3	Y	N
AS91260	Use networks in solving problems	Int	2	Y	N
AS91264	Use statistical methods to make an inference	Int	4	Y	N
AS91267	Apply probability methods in solving problems	Ext	4	Y	N

Course Highlights: This course is for students who need Mathematics at Level 2 for their future study or career, or who need Mathematics with Statistics at Level 3. It places an emphasis on Statistics and Probability.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: Mathematics with Statistics, Tertiary study

For more information, please see Head of Maths Mr Darby or your Level 1 Mathematics Teacher.

Course Title: Financial Capability Mathematics L2c (12MATHSC)

Pre-Requisites: Completion of 10 Numeracy credits

Course Costs: Workbook

Total Credits Available: 13 Internally Assessed: 13 Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US24695	Explain taxation and other deductions relating to personal income	Int	2	N	N
US28094	Produce a balanced household budget and adjust the budget to reflect changing financial circumstances	Int	3	N	N
US28097	Analyse and select personal banking products and services in relation to personal finances	Int	3	N	N
US28096	Demonstrate understanding of insurance products for personal financial capability	Int	3	N	N
AS91260	Use Networks in solving problems	Int	2	Y	N

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91573	Apply the geometry of conic sections in solving problems	Int	3	Y	N

Course Highlights: This is **not** a level 2 Mathematics course. This course is for students who want to take math related work, with a focus on Financial Literacy. Students who undertake this course will not be expecting to take Mathematics at Level 3 the following year.

Vocational Pathway: This course can lead to careers in Services Industries.

For more information, please see Mr Darby

Course Title: Mathematics with Calculus L3 (13CALC)**Pre-Requisites:** Students must obtain sufficient credits in Level 2 Mathematics**Course Costs:** Nil**Total Credits Available:** 27**Internally Assessed:** 10**Externally assessed:** 17

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91573	Apply the geometry of conic sections in solving problems	Int	3	Y	N
AS91575	Apply trigonometric methods in solving problems	Int	4	Y	N
AS91578	Apply differentiation methods in solving problems	Ext	6	Y	N
AS91579	Apply integration methods in solving problems	Ext	6	Y	N
<i>Depending on University prerequisites: Option 1 or 2</i>					
AS91574	Option 1 – Apply linear programming methods in solving problems	Int	3	Y	N
AS91577	Option 2 – Apply the algebra of complex numbers in solving problems	Ext	5	Y	N

Course Highlights: This course builds on Calculus topics covered in Level 2 Maths and applies Calculus to real world situations. The course complements Level 3 Physics. Completing problems outside of class time is pivotal to success in this course.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries.

This course can lead to: Tertiary study in Mathematics. This course is recommended for students wishing to study Physical Sciences or Engineering at University.

For more information, please see Head of Maths Mr Darby, or Miss Park

Course Title: Mathematics with Statistics L3 (13STATS)**Pre-Requisites:** Completion of Level 2 Maths to a sufficient standard**Course Costs:** \$47-\$54**Total Credits Available:** 23**Internally Assessed:** 15**Externally Assessed:** 8

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91580	Investigate time series data	Int	4	N	N
AS91581	Investigate bivariate measurement data	Int	4	N	N
AS91582	Use statistical methods to make a formal inference	Int	4	N	N
AS91587	Apply systems of simultaneous equations in solving problems (optional)	Int	3	N	N
AS9585	Apply probability concepts in solving problems	Ext	4	N	N
AS91586	Apply probability distributions in solving problems	Ext	4	N	N

Course Highlights: This course is appropriate for students who wish to continue statistics study at Year 13. It provides adequate preparation for Tertiary study in statistics or applied mathematics, and a solid base for other University disciplines with a statistics component. This course aims to build on prior statistics knowledge, and extend students' abilities to tackle modelling and problem solving situations. It provides an introduction to probability concepts including notation, Venn diagrams and procedures, based on normal and Binomial and Poisson distributions. Develops students' awareness of the application and usefulness of statistics.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries.

This course can lead to: Tertiary study in mathematics and statistics, tertiary study in other disciplines with a statistics component.

For more information, please see Head of Maths Mr Darby or Mrs Wade

SCIENCE

AGRICULTURAL SCIENCE, BIOLOGY, CHEMISTRY, PHYSICS

Course Title: Agricultural Science L2 (12AGR)

Pre-Requisites: Minimum of 7 credits in Agriculture at level 1 or approval from Mrs Spindler based on level 1 Science results.

Course Costs: \$25 approximately for workbook

Total Credits Available: 21

Internally Assessed: 17

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91295	Demonstrate understanding of interactions between livestock behaviour and NZ commercial management practices	Int	4	N	N
AS91293	Demonstrate understanding of livestock reproductive techniques	Int	4	N	N
AS91298	Report on the environmental impact of a locally produced primary product	Int	4	N	N
US23540	Demonstrate knowledge of hazards, hazard control and the consequences of injury in the rural workplace	Int	5	N	N
AS91294	Management practices influencing livestock growth and development	Ext	4	N	N

Course Highlights: This course builds on study at Level 1 therefore 7 credits at Level 1 is a prerequisite for Level 2.

Vocational Pathway: Primary Industries.

This course can lead to: Confident applications for cadetships in the industry as well as further study at a higher level in Agriculture, Horticulture or any other Primary Industry.

For more information, please see Mrs Spindler

Course Title: **Agribusiness L3 (13AGR)**

Pre-Requisites: Minimum of 8 credits in level 2 agriculture or approval from Mrs Spindler based on other level 2 results

Course Costs: tbc

Total Credits Available: 14

Internally Assessed: 10

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91528	Carry out an investigation into a NZ primary product	Int	4	N	N
AS91529	Research and report on the profitability of a NZ primary product	Int	6	N	R
AS91531	Demonstrate understanding of how the production process meets market requirements	Ext	4	N	N

Course Highlights: This course relies heavily on self-motivation and personal research. However, there is flexibility to allow student choice for the products studied.

Vocational Pathway: Primary Industries.

This course can lead to: Direct employment, cadetship or entry to tertiary study in any relevant degree course.

For more information, please see Mrs Spindler

Course Title: Biology L2 (12BIO)

Pre-Requisites: Science AS90948 Biology external, AS90944 Chemistry external recommended. AS 90940 Physics will be considered, or in consultation with the TiC of Biology.

Course Costs: Course manual \$25 approx, field trip costs may also apply.

Total Credits Available: up to 18 **Internally Assessed:** 10 maximum **Externally Assessed:** 8 maximum

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91154	Apply the biological validity of information presented to the public	Int	3	N	N
AS91160	Investigate biological material at the microscopic level	Int	3	N	N
AS91158	Investigate a pattern in an ecological community	Int	4	N	N
AS91159	Demonstrate understanding of gene expression	Ext	4	N	N
AS91556	Demonstrate understanding of life processes at the cellular level	Ext	4	N	N

Please note decisions about standards to be covered are to be confirmed and please note course may vary from the above.

Course Highlights: Practical investigations and overall good grounding in preparation for further study in the Biological Sciences.

Vocational Pathway: Manufacturing and Technology, Primary Industries, Social and Community Services.

This course can lead to: Entry into Year 13 Biology NCEA Level 3. Tertiary study in the Biological/Health Sciences.

For more information, please see Teacher in Charge of Biology, Mr Rekatsinas

Course Title: Biology L3 (13BIO)

Pre-Requisites: Completion of Biology Level 2 recommended with passes in at least two of the external examinations at this level, or in consultation with the TIC of Biology.

Course Costs: Course manual \$25 approx. Material costs \$10 and field trip costs may also apply.

Total Credits Available: up to 19 **Internally Assessed:** 6 maximum **Externally Assessed:** 13 maximum

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91602	Integrate biological knowledge to develop an informed response to a socio-scientific issue	Int	3	N	R&W
AS91607	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	Int	3	N	R
AS91603	Demonstrate understanding of the responses of plants and animals to their external environment	Ext	5	N	R&W
AS91605	Demonstrate understanding of evolutionary processes leading to speciation	Ext	4	N	R&W
AS91606	Demonstrate understanding of trends in human evolution	Ext	4	N	R&W
<i>Optional</i>					
AS91604	Demonstrate understanding of how an animal maintains a stable internal environment	Int	3	N	R

Note: Final course content is subject to the discretion of the TIC of Biology. AS91604 is an optional internal. Most students sit at least two externals.

Course Highlights: The Year 13 Biology course serves as a good general grounding in the Biological Sciences including preparation for further study at a tertiary level. For students not intending to further their Biology studies past this level the course will help them to be able to make informed decisions around contemporary Biological issues.

Vocational Pathway: This course can lead to careers in: Manufacturing and Technology, Primary Industries, Social and Community Services.

This course can lead to: Continuing with tertiary studies in the Biological Sciences in preparation for a wide range of career options.

For more information, please see Teacher in Charge of Biology, Mr Rekatsinas

Course Title: Chemistry L2 (12CHEM)

Pre-Requisites: A pass in Level 1 Acids and Bases is preferred but students with 12 credits in Level 1 Chemistry will be considered after consultation with TIC Chemistry.

Course Costs: Workbook approximately \$40.00

Total Credits Available: 23

Internally Assessed: 10

Externally Assessed: 13

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91910	Carry out a practical investigation into a substance present in a consumer product using quantitative analysis	Int	4	Y	N
AS91911	Carry out an investigation into chemical species present in a sample using qualitative analysis	Int	3	N	N
AS91167	Demonstrate understanding of oxidation-reduction	Int	3	N	N
AS91164	Demonstrate understanding of bonding, structure, properties and energy changes	Ext	5	Y	W
AS91165	Demonstrate understanding of the properties of selected organic compounds	Ext	4	N	W
AS91166	Demonstrate understanding of chemical reactivity	Ext	4	Y	N

Note: Final course content is subject to the discretion of the TIC of Chemistry. Students are expected to sit at least two externals.

This is a pre-requisite for Level 3 Chemistry.

Course Highlights: This is an introductory course into the study of Chemistry. It covers the basic concepts and skills needed to go on to further study of Chemistry at either Level 3 or in a Tertiary institution. A knowledge of Chemistry is fundamental for almost any science, engineering, agricultural or health science degree or career.

Vocational Pathways: Manufacturing and Technology, Construction and Infrastructure, Primary Industries, Social and Community Services.

This course can lead to: Level 3 Chemistry, Tertiary Study, employment and careers in farming, Science Technician, Nurse, Veterinary Nurse, Agricultural/ Horticultural Technician.

For more information, please see Teacher in Charge of Chemistry, Mr Masters

Course Title: Chemistry L3 (13CHEM)

Pre-Requisites: A pass in Level 2 Chemistry, or in exceptional circumstances in consultation with TiC Chemistry.

Course Costs: Workbook approximately \$40.00

Total Credits Available: 28 **Internally Assessed:** 13

Externally Assessed: 15

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91389	Demonstrate understanding of chemical processes in the world around us	Int	3	N	W
AS91388	Demonstrate understanding of spectroscopic data in chemistry	Int	3	N	N
AS91387	Carry out an investigation in chemistry involving quantitative analysis	Int	4	N	W
AS91393	Demonstrate understanding of oxidation-reduction processes	Int	3	N	N
AS91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	Ext	5	N	W
AS91391	Demonstrate understanding of the properties of organic compounds	Ext	5	N	W
AS91392	Demonstrate understanding of equilibrium principles in aqueous systems	Ext	5	N	W

Note: Not all the above standards will be covered. Final course content is subject to discussion between the TiC of Chemistry and the student. Most students sit at least two externals.

Course Highlights: This course further builds on Level 2 study further developing students' knowledge and skills in Chemistry. A knowledge of Chemistry is fundamental for almost any science, engineering, agricultural or health science degree or career.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Primary Industries, Social and Community Services.

This course can lead to: careers as Engineer, Farmer, Scientist, Nurse, Veterinarian, Medical Doctor.

For further information, please see Teacher in Charge of Chemistry, Mr Masters

Course Title: Physics L2 (12PHYS)**Pre-Requisites:** AS90940 Mechanics, AS91027 Algebra, AS901028 Maths recommended**Course Costs:** Workbook \$30, Write-On Notes \$10**Total Credits Available:** 23**Internally Assessed:** 7**Externally Assessed:** 16

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	Int	4	N	N
AS91172	Demonstrate understanding of atoms and nuclear physics	Int	3	N	N
AS91173	Demonstrate understanding of electricity and electromagnetism	Ext	6	N	N
AS91170	Demonstrate understanding of waves	Ext	4	N	N
AS91171	Demonstrate understanding of mechanics	Ext	6	N	N

Note: Content may vary from the above depending on student achievement.

Course Highlights: Physics lies at the heart of the natural sciences and explains how the world works. Almost any scientific problem can be approached using the ideas and methods of Physics. Physicists, and students studying Physics, are able to use their understanding to predict how an object will behave under particular conditions, improve the functioning of everyday objects, and envisage totally new developments. A knowledge of Physics is useful and exciting!

Vocational Pathway: Construction and Infrastructure, Manufacturing and Technology, Primary Industries, Social and Community Services.

This course can lead to: Learning in Physics will come in useful no matter what you go on to do. Employers value the kinds of skills that studying Physics develops: the ability to grasp things quickly, focussed solution finding, plus problem solving, analytical, mathematical, and IT skills. People with a background in Physics are found in all these areas and more: telecommunications, electronics, electrical trades, space, medicine, finance, law, music, television, environment, architecture, engineering, sports, gaming, energy, and education.

At Te Aroha College, Level 2 Physics is a compulsory pre-requisite for Level 3 Physics.

For more information, please see Head of Department Mr Kurian

Course Title: Physics L3 (13PHYS)

Pre-Requisites: Level 2 Physics and Level 2 Maths – minimum of Achieved grades in all Achievement Standards, including at least 1 Merit pass in each subject

Course Costs: Workbook \$30, Write-On Notes \$10, OsPEn Day \$10 per student (approx)

Total Credits Available: 23 **Internally Assessed:** 7 **Externally Assessed:** 16

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91521	Carry out a practical physics investigation with guidance, that leads to a mathematical relationship	Int	4	N	N
AS91525	Demonstrate understanding of atoms, photon and nuclei	Int	3	N	N
AS91526	Demonstrate understanding of electrical systems	Ext	6	N	N
AS91523	Demonstrate understanding of wave systems	Ext	4	N	N
AS91524	Demonstrate understanding of mechanical systems	Ext	6	N	N

Note: It is highly recommended that Level 3 Physics is taken in conjunction with Level 3 Calculus. Content may vary from the above depending on student achievement.

Course Highlights: Leading on from Level 2 Physics, this course provides more in-depth coverage of the basic ideas and concepts of Physics. In preparation for tertiary education, students can enjoy a more intellectual approach and are expected to be motivated, independent learners.

Vocational Pathway: Construction and Infrastructure, Manufacturing and Technology, Primary Industries, Social and Community Services.

This course can lead to: Learning in Physics will come in useful no matter what you go on to do. Employers value the kinds of skills that studying Physics develops: the ability to grasp things quickly, focussed solution finding, plus problem solving, analytical, mathematical, and IT skills. Level 3 Physics leads directly to higher levels of study at tertiary institutions and is a pre-requisite for many professional degrees such as surveying, architecture, engineering, medicine and dentistry.

For more information, please see Head of Department Mr Kurian

SOCIAL SCIENCE

CLASSICAL STUDIES, GEOGRAPHY, HISTORY, TOURISM

Course Title: Classical Studies L2 (12CLA)

Pre-Requisites: Nil

Course Costs: Nil

Total Credits Available: 14

Internally Assessed: 10

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91202	Demonstrate understanding of a significant event in the classical world	Int	4	N	R
AS91204	Demonstrate understanding of the relationship between aspects of the classical world and aspects of other cultures	Int	6	N	R
AS91200	Examine ideas and values of the classical world	Ext	4	N	R&W

Course Highlights: Exploring the politics, religions and customs of ancient Rome and Greece and how they impact on our world today. This course supports a programme for students who enjoy history and who have strong reading and writing skills.

Vocational Pathway: Creative Industries.

This course can lead to: careers such as diplomacy, law, local and national government, politics, negotiation or education.

For more information, please see Mr Daroux

Course Title: Classical Studies L3 (13CLA)

Pre-Requisites: Nil

Course Costs: Nil

Total Credits Available: 18

Internally Assessed: 12

Externally Assessed: 6

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91397	Demonstrate understanding of significant ideology(ies) in the classical world	Int	6	N	R
AS91398	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	Int	6	N	R
AS91396	Analyse the impact of a significant historical figure on the classical world	Ext	6	N	R&W

Course Highlights: Exploring the politics, religions and customs of ancient Rome and Greece and how they impact on our world today. This course supports a programme for students who enjoy history and who have strong reading and writing skills.

Vocational Pathway: Creative Industries.

This course can lead to: careers such as diplomacy, law, local and national government, politics, negotiation or education.

For more information, please see Mr Daroux

Course Title: Geography L2 (12GEO)**Pre-Requisites:** No prerequisites but Level 1 Geography would be an advantage**Course Costs:** Field trip to an urban centre**Total Credits Available:** up to 21 **Internally Assessed:** up to 9 **Externally Assessed:** 12

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91241	Demonstrate geographic understanding of an urban pattern	Int	3	N	N
AS91245	Explain aspects of a contemporary New Zealand geographic issue	Int	3	N	N
AS91246	Explain aspects of a geographic topic at a global scale	Int	3	N	N
AS91240	Demonstrate geographic understanding of a large natural environment	Ext	4	Y	W
AS91242	Demonstrate geographic understanding of differences in development	Ext	4	N	R&W
AS91243	Apply geography concepts and skills to demonstrate understanding of a given environment	Ext	4	Y	N

Course highlights: Geography is a social science and teaches students how to look at issues and problems using different viewpoints or perceptions. It develops an understanding of the world as our home and teaches understanding of global issues and concerns. Geographic skills are an important part of the programme which includes mapping, graphing, visual and field work skills. All three external Achievement Standards are offered and this body of knowledge is often the basis for the internal assessments. To be successful at all levels students need to be well organised, with an ability to think locally, nationally and globally and be able to apply the knowledge they have learned in a range of contexts.

Vocational Pathway: Construction and infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: Level 3 Geography, employment in farming, University

For more information, please see Mr Aitken

Course Title: Geography L3 (13GEO)**Pre-Requisites:** No prerequisites but Level 2 Geography would be an advantage**Course Costs:** Field trip to a coastal environment**Total Credits Available:** up to 26**Internally Assessed:** up to 14**Externally Assessed:** 12

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91428	Analyse a significant contemporary event from a geographic perspective	Int	3	N	W
AS91430	Conduct geographic research with consultation	Int	5	Y	N
AS91431	Analyse aspects of a contemporary geographic issue	Int	3	N	W
AS91432	Analyse aspects of a geographic topic at a global scale	Int	3	N	W
AS91426	Demonstrate understanding of how interacting natural processes shape a NZ geographic environment(s)	Ext	4	N	R&W
AS91241	Demonstrate understanding of how a cultural process shapes geographic environment(s)	Ext	4	N	R&W
AS91429	Demonstrate understanding of a given environment through the selection and application of geographic concepts and skills	Ext	4	Y	R&W

Course highlights: Geography is a social science and teaches students how to look at issues and problems using different viewpoints or perceptions. It develops an understanding of the world as our home and teaches understanding of global issues and concerns. Geographic skills are an important part of the programme which includes mapping, graphing, visual and field work skills. All three external Achievement Standards are offered and this body of knowledge is often the basis for the internal assessments. To be successful at all levels students need to be well organised, with an ability to think locally, nationally and globally and be able to apply the knowledge they have learned in a range of contexts.

Vocational Pathway: Construction and infrastructure, Creative Industries, Primary Industries, Social and Community Services, Services Industries.

This course can lead to: employment in farming, University

For more information, please see Mr Aitken

Course Title: History L2 (12HIST)**Pre-Requisites:** At least 8 credits in L1 History, or permission from Head of Social Sciences**Course Costs:** Nil (with exception of stationery)**Total Credits available:** 23**Internally Assessed:** 14**Externally Assessed:** 9

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91229	Carry out an inquiry of an historical event or place that is of significance to New Zealanders.	Int	4	N	R
AS91230	Examine an historical event or place of significance to New Zealanders.	Int	5	N	R
AS91232	Interpret different perspectives of people in an historical event that is of significance to New Zealanders	Int	5	N	R
AS91233	Examine causes and consequences of a significant historical event	Ext	5	N	R&W
AS91231	Examine sources of an historical event that is of significance to New Zealanders	Ext	4	N	R&W

Course Highlights: Students study a range of protest movements and events in Level 2 History, both individually and as a class. Class based investigations include analysing differing perspectives of the Russian Revolution, the lasting impact of the Vietnam War, the significance of the Parihaka movement on New Zealand society and many other case studies. Students get to choose their own individual historical event to research, which gives them a chance to explore different areas of history that interest them.

Level 2 History is an ideal way to attain University Entrance Literacy, as all internal assessments have UE reading credits. Both external examinations contain reading and writing credits for University Entrance Literacy. Students learn to perfect the essential skills of critical thinking, essay writing, source analysis, research expertise, historiography, referencing methods, plus many other valuable skills throughout the course.

History is dynamic and exciting. It can spark students' curiosity and imagination in the world around them and make them more aware of how society was shaped by the events of history. This awareness can ensure students go on to improve their future by understanding the past. History is an essential subject for anyone thinking of going onto University, as it provides the framework to ensure the transition into tertiary study is seamless.

Vocational Pathway: Primary Industries, Service Industries, Creative Industries.

This course can lead to: Level 3 History. Careers in government, teaching, diplomacy, law, research, marketing and any type of tertiary study.

For more information, please see Head of Social Sciences, Miss Halford or Miss Osborne

Course Title: History L3 (13HIST)**Pre-Requisites:** At least 8 credits in L2 History, or permission from the Head of Social Sciences**Course Costs:** Nil (with the exception of stationery)**Total Credits available:** 25**Internally Assessed:** 15**Externally Assessed:** 6

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91434	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	Int	5	N	R
AS91435	Analyse a historical event, or place, or significance to New Zealanders	Int	5	N	R
AS91437	Analyse different perspectives of a contested event of significance to New Zealanders	Int	5	N	R
AS91438	Analyse the causes and consequences of a significant historical event	Ext	6	N	R&W
AS91436	Analyse evidence relating to an historical event of significance to NZ	Ext	4	N	R&W

Course Highlights: Students study a range of historical events and movements in Level 3 History, both individually and as a class. Class based investigations include analysing differing perspectives of the My Lai Massacre during the Vietnam War, the significance of the 1981 Springbok Tour, the Cold War and its lasting impact today and many other case studies. Students choose their own individual historical event to research, which gives them a chance to explore different areas of history that interest them.

Level 3 History is the ideal path to University Entrance and beyond. University Entrance for this subject can be gained through internals only (15 internal credits offered) as well as a combination of both internals and externals. All internal assessments have University Entrance Literacy reading credits and both external examinations contain reading and writing credits for University Entrance Literacy. Students learn to perfect the essential skills of critical thinking, essay writing, source analysis, research expertise, historiography, referencing methods, plus many other valuable skills throughout the course.

History is dynamic and exciting. It can spark students' curiosity and imagination in the world around them and make them more aware of how society has been shaped by events of history. This awareness can ensure students go on to improve their future by understanding the past. History is an essential subject for anyone thinking of going onto University, as it provides the framework to ensure the transition into tertiary study is seamless.

Vocational Pathway: Primary Industries, Service Industries, Creative Industries.

This course can lead to: careers in government, teaching, diplomacy, law, research, marketing and any type of tertiary study.

For more information, please see Head of Social Sciences, Miss Halford or Miss Osborne

Course Title: Tourism L2 and L3 (12TOUR, 13TOUR)**Pre-Requisites:** Level 1 literacy and numeracy, a strong work ethic and ability to work independently**Course Costs:** \$tbc**Total Credits Available:** TBC**Internally Assessed:** 28**Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
24729	Demonstrate knowledge of world tourist destinations (Level 2)	Int	4	N	N
24730	Demonstrate knowledge of the business of tourism (Level 2)	Int	4	N	N
24732	Demonstrate knowledge of tourist characteristics and needs (Level 2)	Int	3	N	N
402	Demonstrate knowledge of the retail sector in New Zealand (Level 2)	Int	3	N	N
24727	Describe and compare impacts of tourism in the physical environment (Level 2)	Int	3	N	N
24731	Demonstrate knowledge of destination New Zealand (Level 3)	Int	4	N	N
3727	Demonstrate knowledge of the Pacific as a tourist destination (Level 3)	Int	6	N	N

Course Highlights: Learning about tourism is an excellent way to expand your knowledge regarding our diverse world. Tourism is one of New Zealand's fastest growing export industries, and it can take students to new places. This course will give students the prerequisites for an exciting career in managing tourism or hospitality business or events, in an industry focused on finding out what visitors want, and satisfying their needs. Students who take this course will work with New Zealand's School of Tourism Resources which are Level 2 and 3 Unit Standards. The above is an indication of the many standards on offer which can be tailored to students' specific interests.

Important note: Credits from this course do not count towards the University Entrance qualification. Please see your Dean to see if this impacts your ability to gain UE.

Vocational Pathway: Services Industries.

This course can lead to: further study in the area of Tourism at tertiary level. Employment in the areas of service industry, sport and leisure operators, restaurants, cafes and bars, theme parks, entertainment, arts and cultural attraction, special event planning.

For more information, please see Mr Aitken

TECHNOLOGY

DIGITAL TECHNOLOGY, DESIGN TECHNOLOGY, FOOD TECHNOLOGY, CONSTRUCTION AND ENGINEERING

Course Title: Digital Technology - Computer Applications L2 (12COMPA)

Pre-Requisites: None

Course Costs: None

Total Credits Available: 18

Internally Assessed: 15

Externally Assessed: 3

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91890	Conduct an inquiry to propose a digital technologies outcome	Int	6	N	N
AS91892	Use advanced techniques to develop a database	Int	4	N	N
AS91893	Use advanced techniques to develop a digital media outcome	Int	4	N	N
US16678	Type at 25 WPM	Int	1	N	N
AS91899	Present a summary of developing a digital outcome	Ext	3	N	N

Course Highlights: Students will further develop their skills in information communication technologies. Including the common office applications, Word Processing, Spread sheets, Desktop publishing and Databases. Web Design will be approached graphically using Photoshop elements. Student will further their ability to design and construct a web outcome using advanced procedures, using a variety of programming languages such as HTML, CSS and JavaScript and PHP.

Vocational Pathways: Manufacturing and Technology, Creative Industries, Construction and Infrastructure.

This course can lead to: Students will be able to use computers effectively and understand how programs perform specific functions. Students will be able to apply basic planning skills and problem solve common user problems with computer applications. This is an essential subject for all students looking to work in any non-labour industry as computer technology is prolific and embedded in modern communications.

For more information, please see Ms D Gemmell

Course Title: Digital Technology - Computing For Study and Work L2 (12COMPU)

Pre-Requisites: None

Course Costs: None

Total Credits Available:17

Internally Assessed: 75

Externally Assessed:0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US29782	Demonstrate knowledge of computing hardware, software and terminology to select digital tools for specified purposes	Int	5	N	N
US29781	Demonstrate knowledge of computing hardware, software and terminology to select digital tools for specified purposes	Int	7	N	N
US29776	Use the main features of an HTML editor to create a website	Int	4	N	N
US16678	Type at 25 WPM	Int	1	N	N

Course Highlights:

Students will further develop their skills and proficiency with digital technologies. Including the common office applications, Word Processing, Spread sheets, Desktop publishing and Databases. Students will further develop their ability to construct and correct a simple web site using HTML and CSS.

Students will be able to use computers effectively and understand how programs perform specific functions. Students will be able to apply basic planning skills and problem solve common user problems with computer applications. Students will be efficiently and effectively select and use the best digital tools to research, develop concepts, present and communication their ideas in both learning and work environments.

Vocational Pathways:

Manufacture and Technology, Service Industries, Social and Community Services, Creative Industries

For more information, please see Ms D Gemmell

Course Title: Digital Technology - Computer Applications L3 (13COMPA)

Pre-Requisites: A Level 1 or 2 Technology Project

Course Costs: None

Total Credits Available: 17 **Internally Assessed:** 14 **Externally Assessed:** 3

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91900	Conduct a critical inquiry to propose a digital technologies outcome	Int	6	N	N
AS91902	Use complex techniques to develop a database	Int	4	Y	N
AS91903	Use complex techniques to develop a digital media outcome	Int	4	N	N
AS91909	Present a reflective analysis of developing a digital outcome	Ext	3	N	N

Course Highlights: Students will look the quality of digital information and various data systems then write a report for the external assessment. Students will then build a relational database and embed the outcome into real world digital media outcome, such as a website. Student will demonstrate complex procedures to build an interactive and responsive website outcome using a variety of programming languages such as: HTML, CSS, JavaScript, PHP.

Vocational Pathways: Manufacturing and Technology, Creative Industries, Construction and Infrastructure.

This course can lead to: Students who have successfully completed this course will be able to use it for University Entrance. The project management skills, interpersonal and social skills developed will be invaluable in any workplace environment.

For more information, please see Ms D Gemmell

Course Title: Digital Technology - Computer Science L2 (12COMPS)**Pre-Requisites:** A high level of Computer/Digital Literacy, Mathematics and/or Science**Course Costs:** None**Total Credits Available:** 21 **Internally Assessed:** 18 **Externally Assessed:** 3

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91896	Use advanced programming techniques to develop a computer program	Int	6	N	N
AS91897	Use advanced processes to develop a digital technologies outcome	Int	6	N	N
AS91890	Conduct an inquiry to propose a digital technologies outcome	Int	6	N	N
AS91899	Present a summary of developing a digital outcome	Ext	3	N	N

Course Highlights: Students will develop their ability to write computer code to the point that they will be able to write their own advanced computer program. During this process they will be developing their understanding of advanced concepts of computer science.

Vocational Pathways: Manufacturing and Technology, Creative Industries, Construction and Infrastructure.

This course can lead to: a wide range of careers such as agriculture, engineering, software development, business administration, web design or other areas yet to be invented.

For more information, please see Mr K Sweeny

Course Title: Digital Technology - Computer Science L3 (13COMPS)

Pre-Requisites: 14 Credits in Level 2 Computer Science or Level 2 Mathematics

Course Costs: Nil

Total Credits Available: 21

Internally Assessed: 18

Externally Assessed: 3

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91900	Conduct a critical enquiry to propose a digital technologies outcome	Int	6	N	N
AS91906	Use complex programming techniques to develop a computer program	Int	6	N	N
AS91907	Use complex processes to develop a digital technologies outcome	Int	6	N	N
AS91909	Present a reflective analysis of developing a digital outcome	Ext	3	N	N

Course Highlights: Students will develop their own proposal for a complex computer program for use in a real-world industry context. They will then plan and develop this program using industry-standard development techniques.

Vocational Pathways: Manufacturing and Technology, Creative Industries, Construction and Infrastructure.

This course can lead to: a wide range of careers such as agriculture, engineering, software development, business administration, web design or other areas yet to be invented.

For more information, please see Mr K Sweeny

Course Title: **Design Technology L2 (12DESIGN)**

Pre-Requisites: Year 11 Design or Art

Course Costs: Nil

Total Credits Available: 19

Internally Assessed: 12

Externally Assessed: 7

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91337	Visual communication	Ext	3	N	N
AS91338	Computer modelling	Ext	4	N	N
AS91342	Product design	Int	6	N	N
AS91630	Product design (Level 3)	Int	6	N	N

Course Highlights: No exam. Assessment by folio submission. Full Achievement Standards course. Computer modelling. Six credits from Level 3. Subject Endorsement. Accelerated programme for suitable students.

Vocational Pathway: Construction and infrastructure, Manufacturing and Technology, Primary Industries, Creative Industries.

This course can lead to: A wide range of careers. Year 13 Design, Scholarship.

For more information, please see Head of Technology and Design, Mr Pipe

Course Title: **Design Technology L3 (13DESIGN)**

Pre-Requisites: Year 12 Design or Art

Course Costs: Nil

Total Credits Available: 22

Internally Assessed: 18

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91627	Initiate design ideas through exploration	Ext	4	N	N
AS91628	Develop a visual presentation that exhibits a design outcome to an audience	Int	6	N	N
AS91630	Resolve a product design through graphics practice	Int	6	N	N
AS91610	Develop a conceptual design considering fitness for purpose in the broadest sense	Int	6	N	N

Course Highlights: Full Achievement Standards course. Scholarship option encouraged. Learn the secret of how to be creative and successful in Design. Design and make a product.

Vocational Pathway: Construction and infrastructure, Manufacturing and Technology, Primary Industries, Creative Industries.

This course can lead to: A wide range of careers. University Entrance, Scholarship.

For more information, please see Head of Technology and Design, Mr Pipe

Course Title: Food Technology L2 (12FOODT)**Pre-Requisites:** Achievement in Food Technology or Hospitality at Level 1**Course Costs:** \$95**Total Credits Available:** 16**Internally Assessed:** 16**Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91351	Implement advanced procedures to process a specified product	Int	4	N	N
AS91356	Develop a conceptual design for an outcome	Int	6	N	N
AS91357	Make and trial a prototype	Int	6	N	N

Course Highlights: In this programme students will learn the skills to produce a specified product, Lemon Meringue Pie or another food item. Following on will require students to produce a product that uses these skills. Their product will have to have a purpose and stakeholders. Level 2 students will be required to have good work ethics and be self motivated.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Services Industries.

This course can lead to: the Level 3 programme which focuses on the skills required in the cookery industry.

For more information, please see Mr Rowe

Course Title: Food Technology - Cookery L2 (12FOODC)

Pre-Requisites: Achievement in Food - Cookery at Level 1

Course Costs: \$95

Total Credits Available: 20

Internally Assessed: 20

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US167	Practice food safety methods (if not already completed at Level 1)	Int	4	N	N
US13285	Handle and maintain knives	Int	2	N	N
US13276	Cook food by grilling	Int	2	N	N
US13283	Prepare and present salads	Int	2	N	N
US13272	Cook food by baking	Int	2	N	N
US13280	Prepare fruit and vegetable cuts	Int	2	N	N
US20666	Demonstrate basic knowledge of contamination hazards and control methods used in a food business	Int	2	N	N
US24526	Apply safe working practices in a commercial kitchen	Int	4	N	N

Course Highlights: Students continuing in Hospitality must complete US167 Food Safety Methods. Following units are based on skills, knowledge and practical demonstration. Level 2 Hospitality is the level before a professional cookery course studied at Polytech.

Vocational Pathway: Manufacturing and Technology, Primary Industries, Services Industries.

This course can lead to: Level 3 programme which focuses on the skills required in the cookery industry.

For more information, please see Mr Rowe

Course Title: Food Technology L3 (13FOODT)**Pre-Requisites:** Achievement in Food Technology or Hospitality at Level 1 and/or Level 2**Course Costs:** \$95**Total Credits Available:** 18**Internally Assessed:** 18**Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading/Writing
AS91643	Implement advanced procedures to process a specified product	Int	6	N	N
AS91610	Develop a conceptual design considering fitness for purpose in the broadest sense	Int	6	N	N
AS91611	Develop a prototype considering fitness in the broadest sense	Int	6	N	N

Course Highlights: In this programme students will learn the skills to produce a specified product. Following on will require students to produce a product that uses these skills. Their product will have to have a purpose and stakeholders. Level 2 students will be required to have good work ethics and be self motivated.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Creative Industries, Services Industries, Primary Industries.

This course can lead to: Tertiary study in the Food Technology Industry

For more information, please see Mr Rowe

Course Title: Technology - Construction L2 (12CONS)**Pre-Requisites:** Priority given to those who have completed Construction Level 1**Course Costs:** \$100**Total Credits Available:** 18**Internally Assessed:** 18**Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US24350	Power tools	Int	6	N	N
US24353	Drawing and sketches	Int	6	N	N
US25921	Make a cupboard project	Int	6	N	N

Course Highlights: This course is offered for those students interested in gaining construction skills and knowledge through designing and making a cabinet project which modernises joinery materials and fixtures. The course involves practical project work in the technology workshop, supported by BCATS L2 theory units covering modern joinery materials and techniques, workshop safety, power tools and sketching and drawing. To develop students' 3D computer modelling skills, part of their project will need to be designed and made using the school's new CNC router.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Primary Industries.

This course can lead to: School based Level 3 Construction courses. This course supports students' Gateway work experience, and/or Trades courses.

For more information, please see Mr Ashford-Beck or www.bcito.org.nz

Course Title: Technology - Construction L3 (13CONS)**Pre-Requisites:** Priority given to those who have completed L2 Construction**Course Costs:** \$100**Total Credits Available:** 12-18**Internally Assessed:** All**Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US29677	Safe workplace practices	Int	2	N	N
US29684	Make a L3 BCATS project	Int	12	N	N
US29682	Select and maintain tools, equipment and machinery	Int	4	N	N

Course highlights: This new course gives students the opportunity to learn practical skills and techniques while working on small building projects in the community and/or school. This project based learning is supported by a range of new BCATs Level 3 unit standards covering workplace safety, materials, tools and equipment, measuring and calculations, project management and building sub-trades. It is envisaged that students will create their own learning programme, choosing standards that meet their specific interests and career needs. This course supports Gateway work experience, and/or Trades courses.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Primary Industries.

This course can lead to: Students can go on to consider apprenticeships in a variety of Trades such as carpentry, joinery, plumbing and electrical, or tertiary study towards a range of careers in the construction industry such as project manager, interior designer, quantity surveyor, technical sales and support.

For more information, please see Mr Ashford-Beck or www.bcito.org.nz

Course Title: Technology - Mechanical Engineering L2 (12MECH)

Pre-Requisites: Priority given to those who have completed Level 1 Mechanical Engineering

Course Costs: \$95 plus the cost of electric or petrol powered kit.

Total Credits Available: 18

Internally Assessed: 18

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US25075	Perform basic fabrication operations under supervision	Int	12	N	N
US2395	Select, use and care for engineering hand tools	Int	4	N	N
US21911	Demonstrate knowledge of safety on engineering work sites	Int	2	N	N

Course Highlights: Build an electric or petrol powered scooter while undertaking engineering unit standards.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Primary Industries.

This course can lead to a future in a wide range of trade related employment opportunities, including the engineering industry or future training at a Polytechnic, or an apprenticeship.

For more information, please see Mr W Steffert

Course Title: Technology – Practical Work Skills Year 13 L3(13PRAC)

Pre-Requisites: None

Course Costs: \$30 plus cost of materials to build their chosen design for a BBQ.

Total Credits Available: 10

Internally Assessed: 10

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US20799	Demonstrate knowledge of common engineering metals	Int	4	N	N
AS91610	Design a conceptual design considering fitness for purpose in the broadest sense.	Int	6	N	N

Course Highlights: Skills based course where we will undertake the designing and building of a BBQ or a similar type project. Complete a Unit Standard and an Achievement standard. This course can lead to a future in a wide range of trade related employment opportunities, including the engineering industry or future training at a Polytechnic, or an apprenticeship.

Please note this course does not count towards University Entrance.

Vocational Pathway: Manufacturing and Technology, Construction and Infrastructure, Primary Industries.

For more information, please see Mr W Steffert



The following teaching staff are available should you have any questions:

Year Level Deans in 2021:

Year 12 Mr Grant Aitken (gaitken@tacol.nz)

Year 13 Mrs Danielle Gemmell (dgemmell@tacol.nz)

Your Form Teachers in 2020:

12 Aotea – Mr Wayne Stringer

13 Aotea – Mr Jiji Kurian

12 Arawa – Mrs Jennifer Baylis

13 Arawa – Mr Stavros Rekatsinas

12 Tainui – Ms Rachel Scott

13 Tainui – Whaea Arleen McLaren

12 Tokomaru – Mrs Adrienne Hagan

13 Tokomaru – Mr Warren Steffert