



TE AROHA COLLEGE

Course Selection Guide

Year 12 & 13

NCEA Levels 2 & 3

2018

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 2018. Courses will only go ahead with sufficient numbers, others can be taken through the Correspondence School.

Every student must complete the Course Selection:

- on line through the Kamar Portal – tearoha.schoolpoint.co.nz
- those without internet access should complete at school

There will be a further opportunity for you to discuss your course in depth with your Dean to ensure you meet all the requirements to gain Level 1 NCEA.

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 at 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 see Mr Stringer to discuss this option. Only students with a demonstrated independent work ethic will be considered.

Gateway, Pathways and Trades Programmes

The Gateway, Pathways and Trades Programmes are available for students seeking work experience in their chosen Career Pathway. Gateway Placements are available to all senior students. The placement can be in conjunction with a Pathways Course or in addition to a student's full NCEA course. Students wishing to enrol in Gateway need to demonstrate work readiness and a desire to complete at least 40 hours in the workplace, plus 20 industry based credits. Students considering Gateway in 2018 should discuss the type of work experience they are seeking with Miss Merriman prior to course counselling.

Vocational Pathways Award

A Vocational Pathways Award can be achieved as part of Level 2 NCEA when students gain 60 credits in specific Pathway subjects, including 20 Level 2 credits from specific sector related standards achieved through a Pathways course. The skills and achievements developed in a particular pathway are valued in the work place when you apply for a job and start your career. The Vocational Pathways Award is achieved from the following six pathways:

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

Subjects with standards which count towards a Vocational Pathway Award are shown on the following table. Not all standards offered in this Subject Selection Guide will count towards a Vocational Pathway Award. Please check during course counselling that you are taking the right standards to achieve a Vocational Pathway Award. Sector related standards for each pathway can be found in each of the Vocational Pathways books, in the Careers Room.

Subjects which Link to Vocational Pathways:

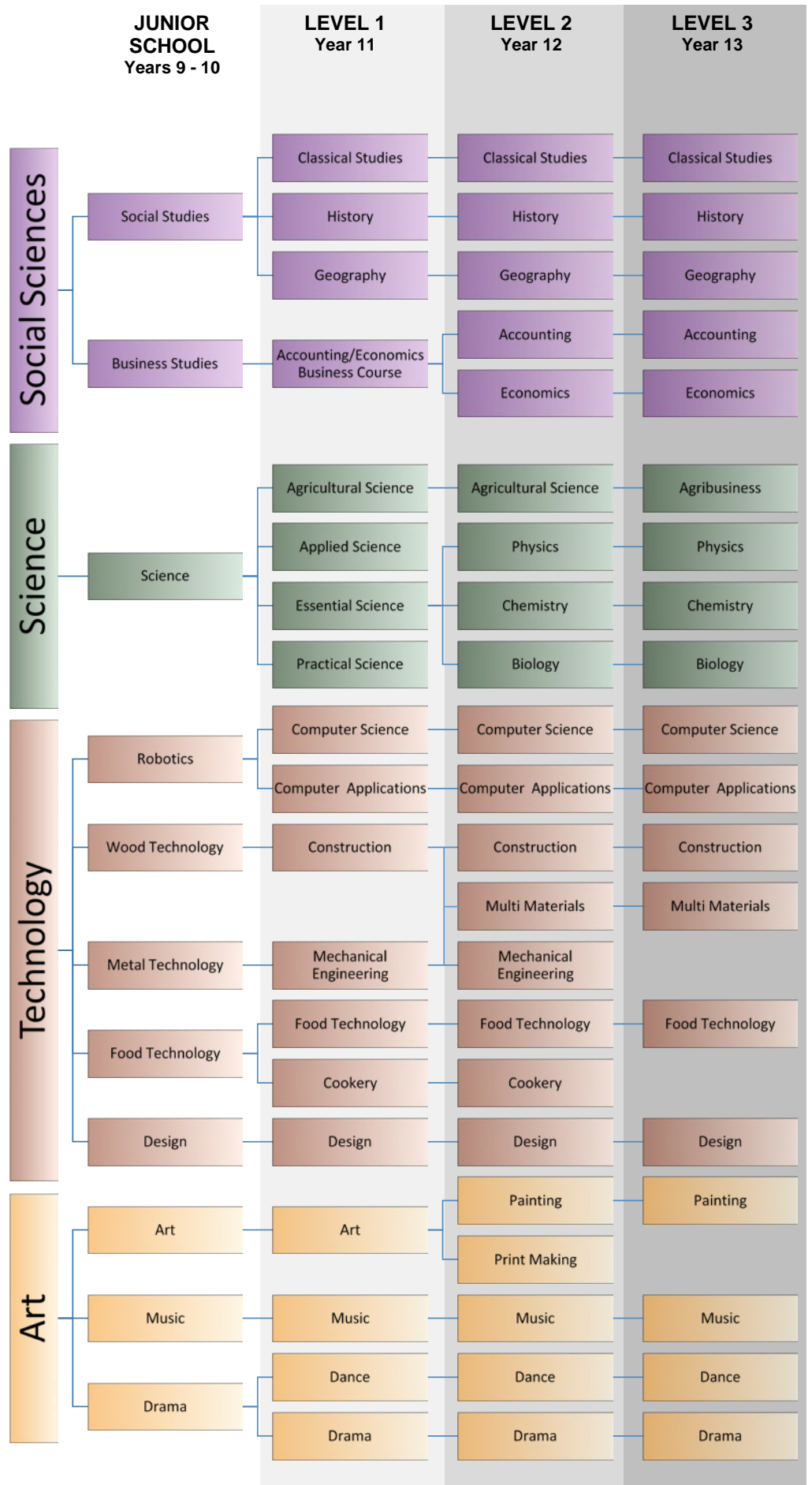
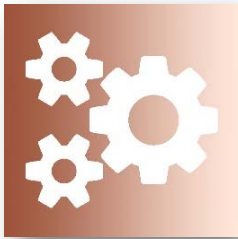
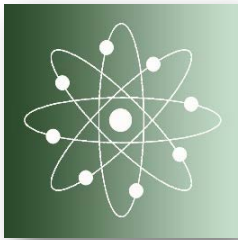
	Primary Industries	Service Industries	Construction and Infrastructure	Social and Community Services	Manufacturing And Technology	Creative Industries
Accounting		☉				☉
Agriculture	☉		☉			
Art		☉				☉
Biology	☉			☉		
Business Studies	☉	☉				☉
Chemistry	☉	☉	☉	☉	☉	☉
Construction			☉		☉	☉
Design	☉	☉			☉	☉
Digital Technologies	☉				☉	☉
Digital Applications			☉			
Drama		☉				☉
Economics	☉	☉		☉		☉
English	☉	☉	☉	☉	☉	☉
Geography	☉	☉	☉	☉		☉
Health	☉	☉		☉		
History		☉				☉
Hospitality		☉		☉	☉	
Mathematics	☉	☉	☉	☉	☉	☉
Media Studies		☉		☉		☉
Physical Education		☉		☉		☉
Physics	☉		☉	☉	☉	☉
Spanish		☉		☉		☉
Social Studies	☉	☉				☉
Technology	☉	☉	☉		☉	☉

Te Aroha College Pathway Courses (including Gateway and Trades Academy) will assist in completing Sector related standards.

Subject Map

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





Course Information

On the next few pages you can find more detailed information about what you can expect from each different course, and the opportunities each course offers to attain NCEA credits.

Course Title: Accounting L2 (12AC1)

Pre-Requisites: Level 1 Accounting or HOD approval

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

Vocational Pathways: Service and Primary Industries

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.

This course can lead to: Level 3 Accounting

For more information, please see Miss Merriman

Course Title: Accounting L3 (13AC1)

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

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

Vocational Pathways: Service and Primary Industries

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.

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

For more information, please see Miss Merriman

Course Title: Agricultural Science L2 (12AS1)

Pre-Requisites: A strong performance in either Science or Agriculture at Level 1 covering a minimum of 12 credits in either subjects.

Course Costs: Nil

Total Credits Available: 22

Internally Assessed: 14

Externally Assessed: 8

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91289	Carry out an agricultural or horticultural investigation	Int	4	Y	N
AS91293	Demonstrate understanding of livestock reproductive techniques	Int	4	N	N
AS91295	Demonstrate understanding of interactions between livestock behaviour and NZ commercial management practices	Int	4	N	N
UE18192	Demonstrate knowledge of how cows produce milk	Int	2	N	N
AS91294	Management practices influencing livestock growth and development	Ext	4	N	N

Course Highlights: This course builds on study at Level 1, although Level 1 Agriculture is not a prerequisite for success at Level 2. Local field visits will provide background information for the internal standards.

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 Viticulture.

For more information, please see Miss Clearwater

Course Title: Agribusiness L3 (13AB1)

Pre-Requisites: A confident level of numeracy, an interest in the business and economics of agriculture. No previous agriculture study necessary.

Course Costs: \$200 trip to Hastings

Total Credits Available: 28

Internally Assessed: 18

Externally Assessed: 10

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
US19103	Demonstrate knowledge of methods for promoting on-farm livestock health and health problems of livestock	Int	8	N	N
AS9530	Demonstrate understanding of the effect of market forces on a NZ primary product	Ext	5	N	R&W

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

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

For more information, please see Miss Clearwater

Course Title: Art - Printmaking L2 (12DR1)

Pre-Requisites: Level 1 Art (12 credits) or approval from Ms Baylis

Course Costs: \$40 materials fee, \$40 Art Pack, Possible art trip around \$30

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
AS91318	Develop ideas in a related series of drawings appropriate to established printmaking practice	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

Course Highlights: Explore your personal creative identity using drawing, linocuts, drypoint etchings, screen printing and mono-prints. Our theme will be 'Imaginary Worlds'. Printmaking is great for artists who love to draw.

This course can lead to: Level 3 Art Course in either 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 - Painting L2 (12PA1)

Pre-Requisites: Level 1 Art (12 credits) or approval from Ms Baylis

Course Costs: \$30 materials fee and \$45 Art Pack. Possible Art trip, \$30

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 theme will be 'Play' and we will play with the expressive potential of paint through texture, colour and image.

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 - Painting L3 (13PA1)

Pre-Requisites: 12 credits in Level 2 Painting or approval from Ms Baylis

Course Costs: \$45 materials fee, \$45 Art Pack, \$30 approximate for Senior Art trip

Total Credits Available: 22

Internally Assessed: 8

Externally Assessed: 12

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 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.

For more information, please see Ms Baylis

Course Title: Biology L2 (12BI1)

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: 18 **Internally Assessed:** 10 **Externally Assessed:** 8

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
AS91556	Demonstrate understanding of life processes at the cellular level	Ext	4	N	N
AS91158	Investigate a pattern in an ecological community	Int	4	N	N
AS91159	Demonstrate understanding of gene expression	Ext	4	N	N
AS91160	Investigate biological material at the microscopic level	Int	3	N	N

Please note course may vary from the above.

Course Highlights: Field studies, practical investigations and overall good grounding in preparation for further study in the Biological Sciences.

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 TiC of Biology: Mr Robertson

Course Title: Biology L3 (13BI1)

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: 19 **Internally Assessed:** 6 **Externally Assessed:** 13

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.

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.

This course can lead to: Continuing their studies in the Biological Sciences in preparation for a wide range of career options. This includes the Health Sciences, Forestry, Agriculture/ Horticulture and a host of others.

For more information, please see TiC of Biology Mr Robertson

Course Title: Chemistry L2 (12CH1)

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 \$40.00

Total Credits Available: 25 Internally Assessed: 12 Externally Assessed: 13

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91161	Quantative analysis	Int	4	Y	N
AS91163	Development of a current technology	Int	4	N	R
AS91167	Oxidation and reduction	Int	4	N	N
AS91164	Bonding, structure and energy changes	Ext	5	Y	W
AS91165	Organic chemistry	Ext	4	N	W
AS91166	Chemical reactivity	Ext	4	Y	N

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. This is a pre-requisite for Level 3 Chemistry. A knowledge of Chemistry is fundamental for almost any science, engineering, agricultural or health science degree. 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 Year 13.

This course can lead to: Level 3 Chemistry, Tertiary Study, Employment

For more information, please see TiC of Chemistry Mr Masters

Course Title: Chemistry L3 (13CH1)

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

Course Costs: Workbook \$40.00

Total Credits Available: 21 Internally Assessed: 6 Externally Assessed: 15

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91389	Chemical processes	Int	3	N	W
AS91393	Oxidation and reduction	Int	3	N	N
AS91390	Particles and thermochemistry	Ext	5	N	W
AS91391	Organic chemistry	Ext	5	N	W
AS91392	Aqueous systems and equilibrium	Ext	5	N	W

Course Highlights: This course further builds on Level 2 study further developing students' knowledge and skills in Chemistry.

This course can lead to: Tertiary Study in any Science, Engineering, Agricultural or Health Science area further information, please see TiC of Chemistry Mr Masters

Course Title: Classical Studies L2 (12CL1)
Pre-Requisites: 14 credits from Level 1 English or Social Science
Course Costs: Nil

Total Credits Available: 16 **Internally Assessed:** 10 **Externally Assessed:** 6

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 other cultures	Int	6	N	R
AS91203	Examine socio-political life in 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.

This course can lead to: Deeper understanding and appreciation of ancient history. Leads to Classical Studies at Level 3.

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

Course Title: Classical Studies L3 (13CL1)
Pre-Requisites: 14 credits from Level 2 English, History or Social Science
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.

This course can lead to: Deeper understanding and appreciation of ancient history and its contribution to our present day systems of law and government. Supports tertiary study in law, political studies, art and history.

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

Course Title: Computer Applications L2 (12CA1)

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
AS91367	Demonstrate understanding of advanced concepts of information systems used to manage shared information	Ext	3	N	N
AS91368	Implement advanced procedures to produce a specified digital information outcome with dynamically linked data	Int	6	N	N
AS91369	Demonstrate understanding of the advanced concepts of digital media	Int	4	N	N
AS91370	Implement advanced procedures to produce a specified digital medial outcome	Int	4	N	N
US16678	Type at 25 WPM	Int	1	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. 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: Computer Applications L3 (13CA1)

Pre-Requisites: A Level 1 or 2 Technology Project

Course Costs: None

Total Credits Available: 18 **Internally Assessed:** 14

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91632	Demonstrate understanding of complex concepts of information systems in an organisation	Ext	3	N	N
AS91633	Implement complex procedures to develop a relational database embedded in a specified digital outcome	Int	6	Y	N
AS91634	Demonstrate understanding of complex concepts of digital media	Int	4	N	N
AS91635	Implement complex procedures to produce a specified digital media outcome	Int	4	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. Demonstrating understanding and implementing the

digital outcome will be assessed with AS 91634 and AS 91635. 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: Computer Science L2 (12CS1)

Pre-Requisites: A high level of Computer/Digital Literacy, Mathematics and/or Science

Course Costs: None

Total Credits Available: 21 **Internally Assessed:** 17 **Externally Assessed:** 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91371	Demonstrate understanding of advanced concepts from computer science	Ext	4	N	N
AS91372	Construct a plan for an advanced computer program for a specified task	Int	3	N	N
AS91373	Construct an advanced computer program for a specified task	Int	3	N	N
AS91370	Implement advanced procedures to produce a specified digital media outcome	Int	4	N	N
AS91377	Demonstrate understanding of local area network technologies	Int	3	N	N
AS91378	Implement procedures for administering a local area network	Int	4	N	N

Course Highlights: Students will construct and administer a local area network. They will then 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.

This course can lead to: Computer Science is the largest area of technology in the New Zealand Curriculum. This reflects the significance of this industry nationally and globally. A career in Computer Science can see you as one of the most sought after employees in the job market. Computer Scientists can work in anything from Architecture, Agriculture and Engineering to Programming, Networking and Web Design or other careers yet to be invented!

For more information, please see Mr A Daroux

Course Title: Computer Science L3 (13CS1)

Pre-Requisites: Level 2 Computer Science or Level 2 Mathematics and Level 1 Computer Science

Course Costs: None

Total Credits Available: 18

Internally Assessed: 14

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91636	Demonstrate understanding of areas of computer science	Ext	4	N	R&W
AS91608	Undertake brief development to address an issue within a determined context	Int	4	N	N
AS91637	Develop a complex computer program for a specified task	Int	6	Y	N
AS91635	Implement complex procedures to produce a specified digital media outcome	Int	4	N	N

Course Highlights: Students will develop their own proposal for a complex computer program. They will then plan and develop this program. During this process they will be developing their understanding of the concepts of computer science.

This course can lead to: Computer Science is the largest area of technology in the New Zealand Curriculum. This reflects the significance of this industry nationally and globally. A career in Computer Science can see you as one of the most sought after employees in the job market. Computer Scientists can work in anything from Architecture, Agriculture and Engineering to Programming, Networking and Web Design or other careers yet to be invented!

For more information, please see Mr A Daroux

Course Title: Dance L2 (12DA1)

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. All students should be literate, as writing/planning in a dance portfolio and written exam is required. Students need to be able to manage themselves and relate to others well. They must be prepared to perform in front of an audience.

Course Costs: \$60 to see at least one dance performance and attend at least one dance workshop in Tauranga and/or Hamilton.

Total Credits Available: 16 Internally Assessed: 12

Externally Assessed: 4

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	Int	4	N	N
AS91211	Provide an interpretation of a dance performance with supporting evidence	Ext	4	N	N

Course Highlights: Create theatre performances, Theatre visits.

This course can lead to: This course has a huge effect on confidence and relationship building. It would help toward Level 2 UE Reading Literacy. It leads to a course at Level 3. A subject endorsement is available in this course. Ultimately, a career in the performing arts and teaching.

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

Course Title: Dance L3 (13DA1)

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. All students should be literate, as writing/ planning in a dance portfolio and a written exam is required. Students need to be able to manage themselves and relate to others well. They must be prepared to perform in front of an audience.

Course Costs: \$60 to see at least one play performance in Auckland and/or Hamilton.

Total Credits Available: 20 **Internally Assessed:** 16 **Externally Assessed:** 4

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
AS91594	Analyse dance performances	Ext	4	N	W

Course Highlights: Create theatre performances, Theatre visits.

This course can lead to: Confidence and relationship building. Level 3 UE Writing Literacy. A subject endorsement is available in this course. Ultimately, a career in the performing arts and teaching.

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

Course Title: Design L2 (12DE1)

Pre-Requisites: Year 11 Design or Art

Course Costs: \$20

Total Credits Available: 23

Internally Assessed: 16

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
AS91343	Promote design	Int	4	N	N
AS91622	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.

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 L3 (13DE1)

Pre-Requisites: Year 12 Design or Art

Course Costs: \$25

Total Credits Available: 22

Internally Assessed: 18

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91627	Visual communication	Ext	4	N	N
AS91628	Computer modelling	Int	6	N	N
AS91630	Product design	Int	6	N	N
AS91610	Promote design	Int	6	N	N

Course Highlights: Full Achievement Standards course. Computer modelling available for entire course.

Scholarship option encouraged. Make a Sci-Fi model for a computer game or as a prop for a film or show using wood, plastics and foam. Learn the secret of how to be creative and successful in Design.

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: Drama L2 (12DR1)

Pre-Requisites: All students should be literate, as writing is required. Students need to be able to manage themselves and relate to others well. They must be prepared to perform in front of an audience.

Course Costs: \$50 to see at least one play performance in Auckland and/or Hamilton.

Total Credits Available: 18

Internally Assessed: 14

Externally Assessed: 4

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
AS91219	Discuss drama elements, techniques, conventions and technologies within live performance	Ext	4	N	W

Course Highlights: Create theatre performances, Theatre visits.

This course can lead to: Confidence and relationship building. Level 2 UE Reading/Writing Literacy. Leads to internally assessed course at Level 3. A subject endorsement is available in this course.

Ultimately, a career in stage-craft – 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 (13DR1)

Pre-Requisites: All students should be literate, as writing is required. Students need to be able to manage themselves and relate to others well. They must be prepared to perform in front of an audience.

Course Costs: \$50 to see at least one play performance in Auckland and/or Hamilton.

Total Credits Available: 18 **Internally Assessed:** 14

Externally Assessed: 4

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
AS91518	Demonstrate understanding of live drama performance	Ext	4	N	W

Course Highlights: Create theatre performances, Theatre visits.

This course can lead to: Confidence and relationship building. Level 3 Reading/Writing UE Literacy. A subject endorsement is available in this course.

Ultimately, a career in stage-craft - 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: Economics L2 (12EC1)

Pre-Requisites: Level 1 NCEA.

Course Costs: Workbook \$30.00

Total Credits Available: 22

Internally assessed: 10

Externally assessed: 12

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91222	Analyse inflation using economic concepts and models	Ext	4	N	W
AS91223	Analyse international trade using economic concepts and models	Ext	4	N	W
AS91224	Analyse economic growth using economic concepts and models	Ext	4	N	W
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

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.

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

For more information, please see Mr Darby

Course Title: Economics L3 (13EC1)

Pre-Requisites: Level 2 NCEA

Course Costs: Workbook \$30.00

Total Credits Available: 24 Internally Assessed: 10

Externally Assessed: 14

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91399	Demonstrate understanding of the efficiency of market equilibrium	Ext	4	N	R
AS91400	Demonstrate understanding of the efficiency of different market structures using marginal analysis	Ext	4	N	R
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

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.

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

For more information, please see Mr Darby

Course Title: English L2 (12EN1)

Pre-Requisites: 16 credits at Level 1, Merit/Excellence, at least 4 from externals

Course Costs: Nil

Total Credits Available: 21

Internally Assessed: 13

Externally Assessed: 8

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
AS91098	Analyse specified aspect(s) of studied written text(s), supported by evidence	Ext	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 two external exams and who are considering tertiary study.

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

Course Title: English L2 (12EN2)

Pre-Requisites: 16 credits at Level 1, at least 4 from externals

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 developed personal responses to independently read texts, supported by evidence	Int	4	N	R
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 did not complete two exams at Level 1. Students need strong reading and writing skills.

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

Course Title: English L2 (12EN3)

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
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
AS91106	Form developed personal responses to independently read texts, supported by evidence	Int	4	N	R

Course Highlights: Writing portfolio, research an area of interest, read and write about your reading. This course supports students wishing to gain UE Literacy but who are not planning to take English to Year 13. Students are expected to show a strong work ethic.

This course can lead to: Increasing confidence in reading and writing. Upon successful completion of the course students gain University Entrance Literacy. A subject endorsement is not available from this course.

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

Course Title: English L3 (13EN1)

Pre-Requisites: 16 credits at Level 2 with Merit/Excellence, at least 4 from externals

Course Costs: Nil

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
AS91472	Respond critically to specified aspect(s) of studied written text(s), supported by evidence	Ext	4	N	R&W
AS91473	Respond critically to 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 already demonstrated strong reading and writing skills at Level 2, and who are considering tertiary study.

This course can lead to: Increasing enjoyment of reading, writing and speaking. Successful completion of the course counts towards University Entrance. PLEASE NOTE: 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 (13EN2)

Pre-Requisites: 14 credits at Level 2

Course Costs: Nil

Total Credits Available: 16

Internally Assessed: 16

Externally Assessed: 0

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
AS91476	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	Int	3	N	N
<i>Optional but strongly recommended</i>					
AS91473	Respond critically to 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 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. This course can lead to: Increasing enjoyment of reading, writing and speaking. Successful completion of the course counts towards University Entrance. PLEASE NOTE: 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: Food - Cookery L2 (12CK1)

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

Course Costs: \$85

Total Credits Available: 16

Internally Assessed: 16

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
US13721	Cook food by frying	Int	2	N	N
US17285	Demonstrate knowledge of commercial espresso equipment and prepare espresso beverages under supervision	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. US17285 is a bonus and will not be offered to all students. US167 is a prerequisite for continuation in this programme. 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 L2 (12FO1)

Pre-Requisites: Achievement in Food Technology or Hospitality at Level 1

Course Costs: \$85

Total Credits Available: 20

Internally Assessed: 16

Externally Assessed: 4

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
AS91354	Undertake a brief development to address an issue	Int	4	N	N
AS91357	Make and trial a prototype	Int	6	N	N
AS91359	Demonstrate understanding of the role of material evaluation in product development	Ext	4	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. There is the option to complete an external or stand alone extra internal after the project is completed. Level 2 students will be required to have good work ethics and be self motivated.

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 L3 (13FO1)

Pre-Requisites: Achievement in Food Technology or Hospitality at Level 1 and/or Level 2

Course Costs: \$85

Total Credits Available: 20

Internally Assessed: 16

Externally Assessed: 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading/Writing
AS91643	Implement advanced procedures to process a specified product	Int	4	N	N
AS91608	Undertake brief development to address an issue	Int	4	N	N
AS91611	Develop a prototype considering fitness in the broadest sense	Int	6	N	N
AS91617	Undertake a critique of a technological outcome's design	Ext	4	N	W

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. There is the option to complete an external exam or stand alone extra internal after the project is completed. Level 2 students will be required to have good work ethics and be self motivated. This course can lead to: Tertiary study in the Food Technology Industry

For more information, please see Mr Rowe

Course Title: Geography L2 (12GE1)

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 28 **Internally Assessed:** up to 17

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
AS91244	Conduct geographic research with guidance	Int	5	Y	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
AS91247	Apply spatial analysis, with guidance, to solve a geographic problem	Int	3	Y	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.

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

For more information, please see Mr Aitken

Course Title: Geography L3 (13GE1)

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 28

Internally Assessed: up to 17

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.

This course can lead to: employment in farming, University

For more information, please see Mr Aitken

Course Title: Health L2 (12HE1)

Pre-Requisites: A positive attitude

Course Costs: \$30 for a workbook

Total Credits Available: 24

Internally Assessed: 15

Externally Assessed: 9

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
AS91238	Analyse an interpersonal issue(s) that places personal safety at risk	Ext	4	N	N
AS91235	Analyse an adolescent health issue	Ext	5	N	N

Course Highlights: Health education utilises interactive and co-operative communication both between students and between teacher and students. This enables students to explore their attitudes and values and justify opinions they might have. Students will be learning not only about themselves, but learning to have empathy for others who might not have the same attitudes or beliefs.

This course can lead to: Teacher, Counsellor, Optician, Chiropractor, Nurse, Special Education Teacher, Tertiary Lecturer, Social Worker, Youth Worker, Police Officer, Trainer, Ambulance Officer, Community Worker, wider understanding for Health Sciences.

For more information, please see Mrs Mortimer

Course Title: Health L3 (13HE1)

Pre-Requisites: A positive attitude

Course Costs: \$30 for a workbook

Total Credits Available: 24

Internally Assessed: 14

Externally Assessed: 10

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91461	Analyse a New Zealand health issue	Int	5	N	R
AS91463	Evaluate health practices currently used in New Zealand	Int	5	N	R
AS91464	Analyse a contemporary ethical issue in relation to well-being	Int	4	N	R
AS91465	Evaluate models for health promotion	Ext	5	N	R
AS91462	Analyse an international health issue	Ext	5	N	R

Course Highlights: Health education utilises interactive and co-operative communication both between students and between teacher and students. This enables students to explore their attitudes and values and justify opinions they might have. Students will be learning not only about themselves, but learning to have empathy for others who might not have the same attitudes or beliefs.

This course can lead to: Teacher, Counsellor, Optician, Chiropractor, Nurse, Special Education Teacher, Tertiary Lecturer, Social Worker, Youth Worker, Police Officer, Trainer, Ambulance Officer, Community Worker, wider understanding for Health Sciences.

For more information, please see Mrs Mortimer

Course Title: History L2 (12HI1)

Pre-Requisites: At least 8 credits in L2 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.

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

Course Title: History L3

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: 24

Internally Assessed: 15

Externally Assessed: 9

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 New Zealanders	Ext	4	N	R&W

Course Highlights: Students study a range of historical events and movements in Level 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, Elizabethan England and its lasting impact today 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 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.

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

Course Title: Mathematics L2a (12MA1)

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: 24

Internally Assessed: 11

Externally Assessed: 13

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
<i>Optional</i>					
AS91261	Apply algebraic 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. 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.

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 (12MA2)

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.

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: Mathematics with Calculus L3 (13CA1)

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.

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

Course Title: Mathematics with Statistics L3 (13ST1)

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
AS9585	Apply probability concepts in solving problems	Ext	4	N	N
AS91586	Apply probability distributions in solving problems	Ext	4	N	N
AS91587	Apply systems of simultaneous equations in solving problems (optional)	Int	3	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.

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

Course Title: Media Studies L2 (12ME1)

Pre-Requisites: 14 credits from Level 1 English

Course Costs: Nil

Total Credits Available: 17

Internally Assessed: 17

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
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

Course Highlights: Critical analysis of film, creating a media portfolio around magazine, newspaper or music video. This course supports a programme for students who enjoy language and media rich content. Students must have demonstrated strong writing skills at Level 1. The course is internally assessed suiting students who perform better in internal assessments, or who have heavy exam loads in other subjects. The majority of the course is producing a media product so a strong independent work ethic is essential.

This course can lead to: Increasing critical understanding of print media and films. Leads to Media Studies at Level 3. A subject endorsement is not available from this course.

For more information, please see Ms Maber

Course Title: Media Studies L3 (13ME1)

Pre-Requisites: 14 credits from Level 2 English

Course Costs: Nil

Total Credits Available: 17

Internally Assessed: 17

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	4	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

Course Highlights: Critical analysis of film, creating a media portfolio around magazine, newspaper or music video. This course supports a programme for students who enjoy language and media rich content. Students must have demonstrated strong writing skills at Level 1. The course is internally assessed suiting students who perform better in internal assessments, or who have heavy exam loads in other subjects. The majority of the course is producing a media product so a strong independent work ethic is essential.

This course can lead to: Increasing critical understanding of print media and films. A subject endorsement is not available from this course.

For more information, please see Ms Maber

Course Title: Music L2 (12MU1)

Pre-Requisites: A demonstrated interest and ability in music as well as independent work ethic

Course Costs: Nil

Total Credits Available: tbc

Internally Assessed:

Externally Assessed:

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
	NCEA Music is only offered through the Correspondence School, <i>Te Aho o Te Kura Pounamu</i> . An individual programme will be arranged for you which may include practical and theory based NCEA assessments.				

For more information, please see Mrs Pipe and Mr Stringer

Course Title: Pathways, Gateway and Trades L2 and L3

In order for students to gain Vocational Pathways endorsements and to gain work experience Year 12 and 13 students have the following options available.

Pathway Courses Year 12 and 13

The following courses are available and if students have a particular area of interest, we will endeavour to find relevant course work. (Need to let the Pathways Team know).

<i>Course</i>	<i>Levels</i>	<i>Provider</i>	<i>Vocational Pathway Sector</i>
Agriculture	2 & 3	Telford	Primary Industries
Animal Care	2& 3	SIT	Primary Industries
Automotive	2	Fairview Motors	Manufacturing and Technology
Building and Construction	3	BCITO	Construction and Infrastructure
Business Administration	2 & 3	Weltec	Services Industries
Early Childhood	2 & 3	Porse	Social and Community Services
Equine	2 & 3	Telford	Primary Industries
Hairdressing	2	Varda	Services Industries
Horticulture	2 & 3	Telford	Primary Industries
Legal Studies	2	Te Kura	Social and Community Services
Retail	2 & 3	Weltec	Services Industries
Social Work	2 & 3	Careerforce	Social and Community Services
Tourism	2 & 3	NZ School of Tourism	Services Industries
Plus plus plus	???	???	???

Gateway

The Gateway Programme will be available for students seeking work experience in their chosen Career Pathway. Gateway Placements are available to all senior students. The Placement can be in conjunction with a Pathways Course or over and above for a student with a full NCEA course. These students will need to demonstrate work readiness and a desire to complete at least 40 hours in a workplace along with 20 industry based credits.

Waikato Trades Academy (WINTERC)- <http://www.wintec.ac.nz/wta/SitePages/index.aspx> and Taratahi Agriculture Trades Academy (PITA)

The Waikato Trades Academy is the result of some clever thinking by Waikato secondary schools, local employers and WINTERC. A place at the Trades Academy allows 12 and 13 students to study at WINTERC and school, getting the benefits of both worlds.

Te Aroha College in conjunction with WINTERC have 20 places available for the Waikato Trades Academy in 2018 from the following courses:

Year 1- Level 2

Construction and Infrastructure Trades

Manufacturing and Technology Trades

Service Sector Trades (Hairdressing, Beauty, Tourism, Cookery)

Social and Community Services

Primary Industry Trades

Year 2 -Level 3

Building and Construction

Electrical Engineering

Mechanical Engineering

Automotive Engineering (Level 2)

Collision Repair and Paint

Hospitality and Tourism

Hairdressing and Beauty

Primary Industry Trades

This course can lead to: further tertiary study or apprenticeships or employment

For more information, please see Miss Merriman or Mrs Lovelock

Course Title: Physical Education L2 (12PE1)

Pre-Requisites: HOD Approval

Course Costs: Snow skiing \$523; Squash \$5

Total Credits Available: 23 **Internally Assessed:** 23

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91328	"Move to Improve" - Demonstrate understanding of how biophysical principles relate to the learning of physical skills	Int	5	N	N
AS91329	"Improving wellbeing, improving performance" - Demonstrate understanding of the application of biophysical principles to training for physical activity	Int	4	N	N
AS91330	"Perform a physical activity in an applied setting" (squash, snow skiing)	Int	4	N	N
AS91331	Examine the significance for self, others and society of a sporting event, physical activity or festival	Int	4	N	N
AS91333	"The Great Outdoors" - Analyse the application of risk management strategies to a challenging outdoor activity	Int	3	N	N
AS91335	"Get up & go week" - Examine the implementation and outcomes of a physical activity event or opportunity	Int	3	N	N

Course Highlights: Snow skiing, squash, anatomy, biomechanics, personal training, risk management, teaching, motor skill learning.

This course can lead to: Level 3 NCEA Phys Ed, university study, teaching, physiotherapy, sports medicine, Armed Forces, sports training, coaching.

For more information, please see Mr Stewart

Course Title: Physical Education L3 (13PE3)

Pre-Requisites: Level 2 NCEA and /or HOD approval

Course Costs: Kayaking approx. \$450 (depends on numbers); Multisport Event \$50; Tough Guy/Tough Girl Challenge \$55

Total Credits Available: 19

Internally Assessed: 19

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91499	"Kayak Kaos" – Analyse a physical skill performed by self or others	Int	3	N	N
AS91500	"Better than Before?" – Evaluate the effectiveness of a performance improvement programme	Int	4	Y	N
AS91501	"Let's Rock 'n Roll/Multisport/ Tough Guy & Tough Girl Challenge" - Demonstrate quality performance of a physical activity in an applied setting	Int	4	Y	N
AS91502	"Childhood Obesity and physical inactivity – is there an issue?" – Examine a current trend or issue impacting on NZ society	Int	4	N	R
AS91789	"Using strategies for	Int	4	Y	N

	success" – Devise strategies for a physical activity outcome				
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Course Highlights: Practicals: i) Kayaking - paddling skills, eskimo roll, rescue techniques, culminating in a river trip on the Waikato River and Mohaka River Grade 2 section. ii) Implementing a training programme based around road cycling and running in order to complete a 3 discipline multisport event (kayak, bike, run), completing the Tough Guy & Tough Girl Secondary Schools' Challenge.

This course can lead to: Tertiary study in Physical Education teaching, Physiotherapy, Nursing, Sports Administration and Management, Sport and Exercise Science, Coaching plus areas of the fitness industry - to name a few.

For more information, please see Mrs Livingstone or Mr Stewart

Course Title: Physics L2 (12PH1)

Pre-Requisites: AS90940 Mechanics, AS91027 Algebra, AS901028 Maths recommended

Course Costs: Workbook \$30, Write-On Notes \$10

Total Credits Available: 26

Internally Assessed: 10

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
AS91169	Demonstrate understanding of Physics relevant to a selected context	Int	3	N	N
AS91170	Demonstrate understanding of waves	Ext	4	N	N
AS91171	Demonstrate understanding of mechanics	Ext	6	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

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! 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 Mrs Sandbrook or Head of Department Mr Robertson

Course Title: Physics L3 (13PH1)

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: 26 **Internally Assessed:** 10 **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
AS91522	Demonstrate understanding of the application of a physics context	Int	3	N	N
AS91523	Demonstrate understanding of wave systems	Ext	4	N	N
AS91524	Demonstrate understanding of mechanical systems	Ext	6	N	N
AS91525	Demonstrate understanding of atoms, photon and nuclei	Int	3	N	N
AS91526	Demonstrate understanding of electrical 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.

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 Mrs Sandbrook or Head of Department Mr Robertson

Course Title: Spanish L2 (12SP1)

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.

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 (13SP1)

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.

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: Technology - Construction L2 (12CS1)

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

Course Costs: Nil

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.

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.bconstructive.co.nz

Course Title: Technology - Construction L3 (13CS1)

Pre-Requisites: Priority given to those who have completed L2 Construction

Course Costs: Nil – STAR funded

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.

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.bconstructive.co.nz

Course Title: Technology - Mechanical Engineering L2 (12ME1)

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

Course Costs: \$40 plus \$350 to purchase Go-Ped engine + component kit

Total Credits Available: 18-21

Internally Assessed: 18-21

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US25075	Perform basic fabrication operations under supervision	Int	12		
US2395	Select, use and care for engineering hand tools	Int	4		
US21911	Demonstrate knowledge of safety on engineering work sites	Int	2		
US21685	Use an oxy-acetylene plan in the motor industry	Int	3		

Course Highlights: Build a custom chopper bike while undertaking engineering unit standards. Travel to Toi Ohomai Institute of Technology to undertake welding training.

This course can lead to: A future in the engineering industry or future training at a Polytechnic, or an apprenticeship.

For more information, please see Mr New

Course Title: Technology – Multi Materials L2 (12TE1)

Pre-Requisites: Students must be capable of undertaking Achievement Standards to complete a project over the course of the year.

Course Costs: Project dependant

Total Credits Available: 22 **Internally Assessed:** 22 **Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91354	Undertake brief development to address an issue	Int	4	N	N
AS91355	Select and use planning tools to manage the development of an outcome	Int	6	N	N
AS91344	Implement advanced procedures using resistant materials to make a specified product with special features	Int	6	N	N
AS91357	Undertake effective development to make and trial a prototype	Int	6	N	N

Course Highlights: A mixed materials course but based in the Metal room. An enquiry learning class which is expected to be 60% written work and 40% practical. The written work includes building a portfolio where students get to plan, research, design, develop an idea then build a product of their own choice from scratch to prototype or undertake a project within the school environment such as an area redevelopment, seating, sculptures or signage.

This course can lead to: University or further study towards an engineering related degree or programme or a Polytechnic trades course or work in an of the trades areas.

For more information, please see Mr New

Course Title: Technology – Multi Materials L3 (13TE1)

Pre-Requisites: Students must be capable of undertaking Achievement Standards to complete a project over the course of the year.

Course Costs: Project dependant

Total Credits Available: 22 **Internally Assessed:** 22 **Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91608	Undertake brief development to address an issue within a determined context.	Int	4	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 for purpose in the broadest sense.	Int	6	N	N
AS91620	Implement complex procedures to integrate parts using resistant materials to make a specified product.	Int	6	N	N

Course Highlights: Choose 2- 3 of the above standards to undertake. This is a mixed materials course but based in the Metal room. An enquiry learning class which is expected to be 60% written work and 40% practical. The written work includes building a design portfolio where students plan, research, design, develop an idea then build a product/project that is of benefit to the school. The plan for 2018 is to re-develop the area between E and F blocks.

This course can lead to: University or further study towards an engineering related degree or programme or a Polytechnic trades course or work in an of the trades areas.

For more information, please see Mr New

Course Title: Te Reo Maori L2 (12TR1) – Offered via Te Kura Correspondence School
Pre-Requisites: Motivation and Resilience, Year 10 and Year 11 Te Reo beneficial
Course Costs: Stationary costs and a possible field trip to Waitangi (overnight), daytrips to Maori orientated learners opportunities and events

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
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
AS91288	Waihanga tuhinga auaha, i te reo o te ao torotoro	Int	6	N	W

Course Highlights: Research famous people, develop better understanding of biculturalism and Te Reo Maori. Sing, speak, research, explore, visit parts of Aotearoa.

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 Mr Stringer to discuss taking this subject through correspondence



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

Year Level Deans in 2018:

Year 12 Miss Merriman

Year 13 Mr Aitken

Your Form Teachers in 2018:

12 Aotea – Mr Rowe

13 Aotea – Mr Pipe

12 Arawa – Mr Daroux

13 Arawa – Miss Maber

12 Tainui – Ms Scott

13 Tainui – Mr Robertson

12 Tokomaru – Mr Ashford-Beck

13 Tokomaru – Mr Masters

Please make your notes and questions here:

YOUR NEXT STEPS ...

1. Discuss your options with your Form Teacher.
2. Discuss your options with your Whanau.
3. Complete your Course Selection by Friday 1 September 2017
 - on line through the Kamar Portal – tearoha.schoolpoint.co.nz
 - those without internet access should complete at school

Name:	Form Class:
Select 6 Subjects in order of preference PLUS one in reserve	
1.	
2.	
3.	
4.	
5.	
6.	
Reserve	

Complete by Friday 1 September 2017