



TE AROHA COLLEGE

Course Selection Guide

Year 12 & 13

NCEA Levels 2 & 3

2017

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 that 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 2017. Courses will only go ahead with sufficient numbers, others can be taken through the Correspondence School.

Every student must complete a Course Selection form.

Your Whanau, Dean and Form Teacher can help you make the right choices for you.

The Course Selection form must be given to Mr Stringer before the end of Term 3.

Timetable lines will be formed to minimise clashes between students' choices.

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 2 or Level 3 NCEA, course endorsements, Vocational Pathways endorsements and University Entrance.

Year 12 and Year 13 Students take six subjects in total.

There are no compulsory subjects.

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.

The Gateway Programme

The Gateway Programme is 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 10 industry based credits. Students considering Gateway in 2017 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.

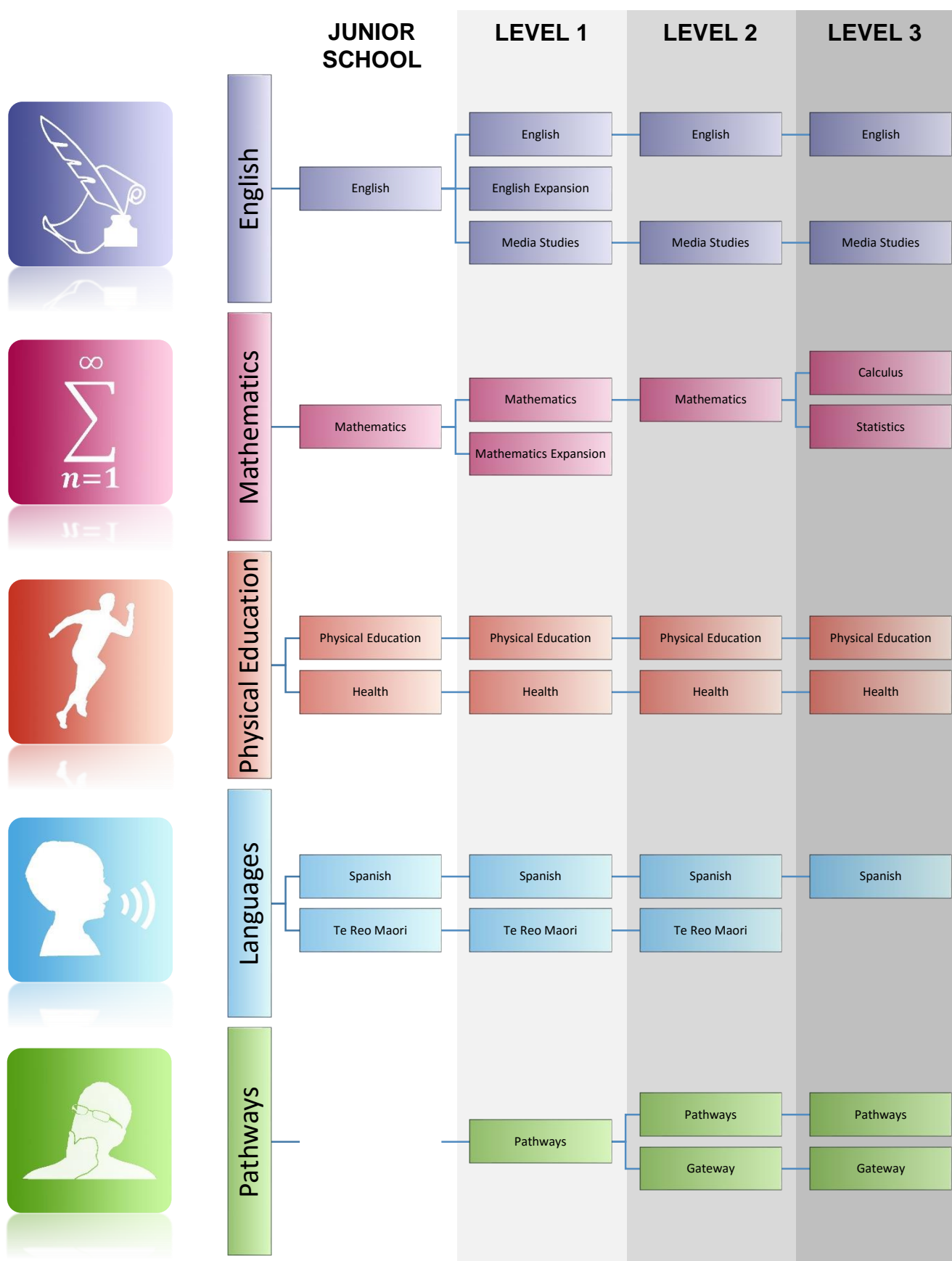
Subjects which Link to Vocational Pathways:

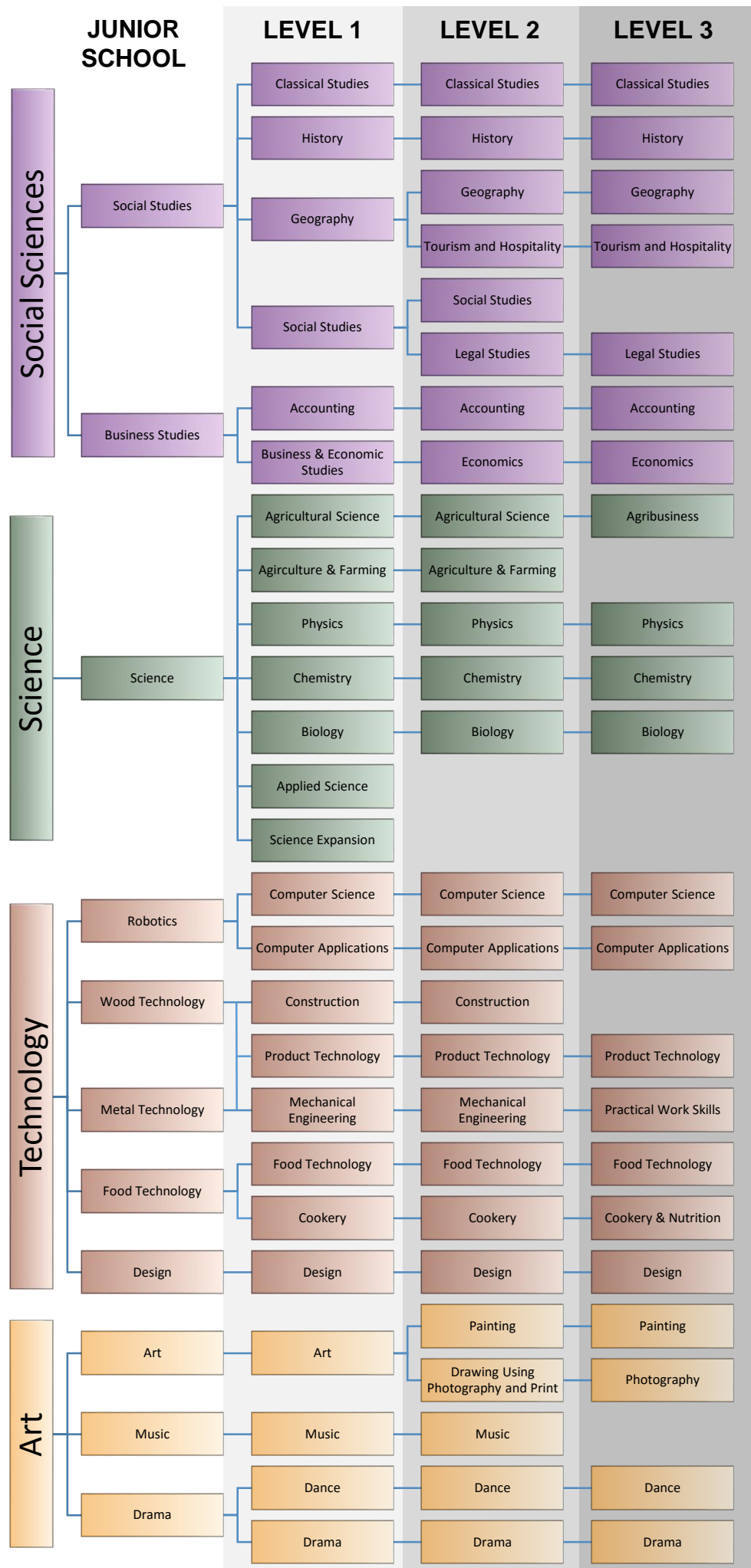
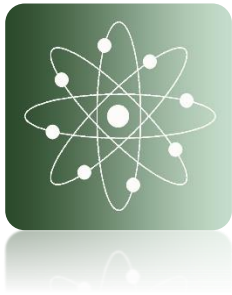
	Primary Industries	Service Industries	Construction and Infrastructure	Social and Community Services	Manufacturing And Technology	Creative Industries
Accounting		©				©
Agriculture	©		©			
Art		©				©
Biology	©			©		
Business Studies	©	©				©
Chemistry	©	©	©	©	©	©
Construction			©		©	©
Design	©	©			©	©
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: **Agriculture & Farming L2 (12AF1)**

Pre-requisites: An interest in Agriculture

Course Costs: \$18

Total Credits Available: 20

Internally assessed: 20

Externally assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91289	Carry out an extended practical investigation	Int	4	Y	N
US24623	Breeds and classes of cattle	Int	2	N	N
US18192	How cows produce milk	Int	2	N	N
US18191	Safe handling and health problems of dairy cattle associated with cows	Int	3	N	N
US23540	Knowledge of hazards, hazard control and consequence of injury	Int	5	N	N
AS91293	Livestock reproduction techniques	Int	4	N	N

Course Highlights: This is an excellent practical course that is entirely internally assessed, aimed at those interested in a career in farming.

This course can lead to: Students wanting to further their career that involves animals or who wants to work in a farm environment.

For more information, please see Miss Clearwater

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: \$400 (max) Residential Field Trip (fund raised)

Total Credits Available: 20

Internally Assessed: 12

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
AS91298	Demonstrate understanding of an environmental issue	Int	4	N	N
AS91293	Demonstrate understanding of livestock reproductive techniques	Int	4	N	N
AS91294	Management practices influencing livestock growth and development	Ext	4	N	N
AS91297	Demonstrate understanding of land used for primary production	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 Mrs Driver

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: Optional overseas Residential Field Trip to be advised

Total Credits Available: 20

Internally Assessed: 10

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
AS91532	Analyse a primary production environmental issue	Ext	5	N	R&W
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 Mrs Driver

Course Title: Art - Drawing using Photography and Print L2 (12DR1)**Pre-Requisites:** Level 1 Art (12 credits)**Course Costs:** \$40 materials fee, \$40 Art Pack. Access to a camera is required, digital SLR is preferred. Printing \$200 approximately for photography folios (to be covered by the student)**Total Credits Available:** 20**Internally assessed:** 8**Externally assessed:** 12

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

Course Highlights: Express your ideas using “hands on” printmaking and photography methods during terms 1 and 2, then choose either printmaking or photography to develop for your portfolio in Terms 3 and 4.

This course can lead to: Level 3 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, 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)

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
AS91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	Ext	12	N	N
AS91316	Develop ideas in a related series of drawings appropriate to established painting practice	Int	4	N	N

Course Highlights: Creating a portfolio of Paintings which explore a personal theme relating to 'Play'.

Learning about New Zealand and International Artists and the meanings in their Art.

This course can lead to: Level 3 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, 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 Photography

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: Art - Photography L3 (13PH1)**Pre-Requisites:** 12 credits in Level 2 Painting or Photography**Course Costs:** \$20 fee, \$10 Photography pack, printing approx. \$300 for portfolio, covered by the student. Access to digital camera required digital SLR preferred, memory stick with large storage**Total Credits Available:** 22**Internally assessed:** 8**Externally assessed:** 14

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91447	Use drawing to demonstrate understanding of conventions appropriate to photography	Int	4	N	N
AS91452	Systematically clarify ideas using drawing informed by established photography practice	Int	4	N	N
AS91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	Ext	14	N	N

Course Highlights: Developing a personal style in Photography through experimenting with a range of Artist models with different approaches. Exploring themes and ideas in depth in a Photography 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: 21 **Internally assessed:** 13 **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
AS91155	Demonstrate understanding of adaptation of plants/animals to their way of life	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: 22 **Internally assessed:** 9 **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
AS91604	Demonstrate understanding of how an animal maintains a stable internal environment	Int	3	N	R
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

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: 23 Internally assessed: 10 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 Mrs Driver

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 equilibruim	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 Mrs Driver

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
AS91203	Examine socio-political life in the classical world	Ext	6	N	R&W
AS91204	Demonstrate understanding of the relationship between aspects of other cultures	Int	6	N	R

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

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
AS91396	Analyse the impact of a significant historical figure on the classical world	Ext	6	N	R&W
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

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

Course Title: Computer Applications L2 (12CO1)

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 will offer NZQA course endorsement in 2017.

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**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
AS 91632	Demonstrate understanding of complex concepts of information systems in an organisation	Ext	3	N	N
AS 91633	Implement complex procedures to develop a relational database embedded in a specified digital outcome	Int	6	Y	N
AS 91634	Demonstrate understanding of complex concepts of digital media	Int	4	N	N
AS 91635	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 will offer NZQA course endorsement in 2017.

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 will offer NZQA course endorsement in 2016.

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 will offer NZQA course endorsement in 2016.

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.

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: 22

Internally Assessed: 18

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
AS91209	Perform a repertoire of dance (for extension students only)	Int	6	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.

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
AS91592	Perform a repertoire of contrasting dances (for extension students only)	Int	6	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: None. All students should be literate, as writing is required. Students need to be able to manage themselves and relate to others well.

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: None. All students should be literate, as writing is required. Students need to be able to manage themselves and relate to others well.

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
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
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

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
AS91099	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence	Ext	4	N	W
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

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
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
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

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

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
US 17285	Demonstrate knowledge of commercial espresso coffee equipment and beverages	Int	4	N	N

Course Highlights: Students continuing in Hospitality must complete US 167 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 will cover knife safety and storage, hygiene and safety in food preparation, US167 is a prerequisite for continuation in this programme.

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 - Cookery & Nutrition L3 (12CK1)

Pre- requisites: Achievement in Hospitality Level 2

Costs: \$85

Total credits:19

Internally assessed:19

Externally assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US168	Demonstrate knowledge of food contamination hazards, and controls in a food business	Int	4	N	N
US13343	Demonstrate knowledge of basic nutrition in commercial catering	Int	5	N	N
US17284	Demonstrate knowledge of coffee origin and production	Int	3	N	N
US17285	Demonstrate knowledge of commercial espresso equipment and prepare espresso beverages under supervision	Int	4	N	N

Course Highlights: Students will gain further experience in how to handle foods in a safe way. Students will also learn to cook using skills learnt at Level 2 but with a strong focus on the nutritional side as this is a major consideration within the catering industry and hospitality industry. Further learning opportunities will also be available to students during 2017. Please note this course does not count towards University Entrance.

This course can lead to: Students interested in the catering industry will be encouraged to continue their development at tertiary level education or apprenticeship.

For more information, 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 Level 1	Literacy Level 1
AS91351	Implement advanced procedures to process a specified product	Int	4	N	N
AS91354	Undertake brief development to address an issue	Int	4	N	N
AS91357	Make and trial a prototype	Int	6	N	N
AS91359	DU 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 Level 1	Literacy Level 1
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: Gateway L2 (12GA1)

Pre-Requisites: Students must be work ready and have a genuine interest in discovering more about how to enter into a career in one of the following available subjects.

Course Costs: None

Total Credits available: Between 14-31 Internal: 100% External 0

Course Subjects available:

- Early Childhood (MOU: PORSE)
- Agriculture (MOU: Telford)
- Hairdressing
- Mechanical Engineering
- Tourism/Retail

Plus any other areas of interest where suitable course work can be located (please ask Miss Merriman).

Course Highlights: Students will have a work placement one afternoon or day a week. They will complete workbooks in relation to their chosen course of study in the other periods available. Students who complete 2 years of Early Childhood and complete the relevant units are eligible to apply for the Early Childhood Level 3 Certificate.

BONUS: Students develop independent study skills in a programme that is developed solely to benefit them. It could lead to a lifetime career pathway.

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

For more information, please see Miss Merriman or Mrs Lovelock

Course Title: Gateway L3 (13GA1)

Pre-Requisites: Students must be work ready and have a genuine interest in discovering more about how to enter into a career in one of the following available subjects.

Course Costs: None

Total Credits available: Between 14-31 Internal: 100% External 0

Course Subjects available:

- Early Childhood (MOU: PORSE)
- Agriculture (MOU: Telford)
- Building and Construction (MOU:BCITO)

Plus any other areas of interest where suitable course work can be located (please ask Miss Merriman).

Course Highlights: Students will have a work placement one afternoon or day a week. They will complete workbooks in relation to their chosen course of study in the other periods available. Students who complete 2 years of Early Childhood and complete the relevant units are eligible to apply for the Early Childhood Level 3 Certificate.

BONUS: Students develop independent study skills in a programme that is developed solely to benefit them. It could lead to a lifetime career pathway.

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

For more information, please see Miss Merriman or Mrs Lovelock

Course Title: Geography L2 (12GE1)**Pre-Requisites:** Level 1 Geography, History and/or Science**Course Costs:** Field trip to Rotorua \$30, Field trip to Auckland \$35

The structure of the NCEA Level 2 Geography course means students can select a combination of internal & external standards. It is expected that most students will undertake 11-18 credits in 2017.

Total Credits Available: 29 **Internal:** 17 (likely assessed 14) **External:** 12

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS90331	Demonstrate geographic understanding of a large natural environment	Int	4	N	R&W
AS90332	Demonstrate geographic understanding of an urban pattern	Int	3	N	N
AS90333	Demonstrate geographic understanding of differences in development	Ext	4	N	R&W
AS90334	Apply concepts and geographic skills to demonstrate understanding of a given environment	Ext	4	Y	N
AS90335	Conduct geographic research with guidance	Int	5	Y	N
AS90336	Explain aspects of a contemporary geographic issue	Int	3	N	N
AS90337	Explain aspects of a geographic topic at a global scale	Int	3	N	N
AS90338	Apply spatial analysis, with guidance, to solve a geographic problem	Int	3	Y	N

Course Highlights: Field trips to Mamaku Plateau/Rotorua Caldera and Auckland C.B.D.

Students develop knowledge of and learn to appreciate NZ's environmental, natural, cultural and social landscapes and history. The course can be personally programmed to suit student's needs and requirements, through a blend of internal and external standards. The amount of credits students undertake can be discussed with Mr Roper. This course allows students to extend their understanding of NZ and global geography, by studying specific case study examples.

This course can lead to: Level 3 Geography, employment in resource management

For more information, please see Mr Roper

Course Title: Geography L3 (13GE1)**Pre-Requisites:** Level 1 or Level 2 Geography and/or History**Course Costs:** Geography Skills Book \$18, 2 Field trips to Waihi Beach \$30, Waitomo Caves and Village \$50, Rotorua \$35

The structure of the NCEA Level 3 Geography course means students can select a combination of internal & external standards. It is expected that most students will undertake 14-18 credits in 2017. Students can select standards to suit their learning needs.

Total Credits Available: 29**Internal:** 17 (likely assessed 14)**External:** 12

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS90701	Demonstrate understanding of how interacting natural processes shape a NZ geographic environment	Ext	4	N	R&W
AS90702	Demonstrate understanding of how a cultural process shapes geographic environments	Ext	4	N	R&W
AS90703	Analyse a significant contemporary event from a geographic perspective	Int	3	N	R
AS90704	Demonstrate understanding of a given environment through the selection and application of geographic concepts and skills	Ext	4	Y	R&W
AS90705	Carry out geographic research with guidance	Int	5	Y	N
AS90706	Analyse aspects of a contemporary geographic issue and evaluate courses of action	Int	3	N	R
AS90707	Analyse aspects of a geographic topic at a global scale	Int	3	N	N
AS90708	Apply spatial analysis, with consultation, to solve a geographic problem	Int	3	Y	N

Course Highlights: Field trips to Waihi Beach (2), Waitomo Caves and Village, Rotorua. Students extend their knowledge and will appreciate NZ's environmental, natural, cultural and social landscapes and history. The course can be personally programmed to suit student's needs and requirements, through a blend of internal and external standards. The amount of credits students undertake can be discussed with Mr Roper. This course allows students to extend their understanding of NZ and global geography, by studying specific case study examples.

This course can lead to: University study, employment in resource management, tourism, local planning, teaching or conservation.

For more information, please see Mr Roper

Course Title: Health L2 (12HE1)

Pre-requisites: to have completed and Achieved at least seven credits in Level 1 Health if not to see Mrs Mortimer

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
AS91235	Analyse an adolescent health issue	Ext	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
AS91239	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	Int	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: to have completed and Achieved at least ten credits in Level 2 Health or to see Mrs Mortimer

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
AS 91461	Analyse a New Zealand health issue	Int	5	N	R
AS 91462	Analyse an international health issue	Ext	5	N	R
AS 91463	Evaluate health practices currently used in New Zealand	Int	5	N	R
AS 91464	Analyse a contemporary ethical issue in relation to well-being	Int	4	N	R
AS 91465	Evaluate models for health promotion	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:** Level 1 History – 8 credits; NCEA English or special permission**Course Costs:** Nil (with exception of stationary and a possible field trip yet to be determined)**Total Credits available:** 28 **Internal:** 14 **External:** 14

Alternatively, there may be a range of unit standards available for students who are interested

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
AS91231	Examine sources of an historical event that is of significance to New Zealanders	Ext	4	N	R&W
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
AS91234	Examine how a significant historical event affected New Zealand society.	Ext	5	N	R&W

Course Topics: Conspiracy and Assassination, Nazi Germany, Terrorism, Vietnam War, Cold war and Russia, Other smaller case studies of various topics, student interest topics, student driven.

Course Highlights: Forget about what you think history is, investigate, research and discover the underlying politics and art of subterfuge between major powers. Explore the world of manipulation and mind control. Understand women's suffrage, Ho Chi Minh's desires, JFK's assassination. The possibilities are limitless for students with curiosity, commitment to completing work, and an open mind to developing their academic abilities. History is no longer memorising information. It is discussing, arguing, forming opinions from sound evidence and logical understanding, having the confidence, determination and ability to stand behind your ideas and opinions. It is role playing, debating, revision games, skill development, ICT usage, and most importantly development of varied and effective communication. History is improving your future through understanding some of the past.

This course can lead to: Can give a head start to History Level 3. If you are thinking about careers in law, commerce, government, travel, research, business, and many others. It can develop your research and communication skills for Polytech, apprenticeships, university. It is a fundamental stepping stone if you are thinking about careers in any of the aforementioned fields.

For more information, please see Mr Kerr

Course Title: History L3**Pre-Requisites:** NCEA Level 2 History – 8 credits; NCEA Level 2 English or special permission**Course Costs:** Field trip to Paihia/ Russell - \$200-\$220 depending on numbers and will be lower if fundraising takes place like previous years. Stationary costs yet to be determined.**Total Credits available:** 31**Internal:** 15**External:** 16

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
AS91436	Analyse evidence relating to an historical event of significance to New Zealanders	Ext	4	N	R&W
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
AS91439	Analyse a significant historical trend and the force(s) that influenced it	Ext	6	N	R&W

Course Highlights: Get to know how and why New Zealand developed the way it has done. Participate in a four day field trip to the birth place of New Zealand society. History is no longer facts and figures, memorising dates and regurgitating information. It is exploring the past, discovering the truth and expressing your interpretation of events gone by. If you have curiosity and commitment then you have the ability to do well in History. We discuss, we argue, we role play, we research, we investigate, we revise, we quiz, we create and we develop. The greatest skills you can develop for University is research. History is research.

Course Topics: 19th Century NZ; 16th Century England; Other smaller case studies of various topics, student interest topics which are student driven.

This course can lead to: University, scholarship, academic success and it is a fundamental building block for careers in law, commerce, government, travel, research, business, and many others.

For more information, please see Mr Kerr

Course Title: Legal Studies L2 & L3

Pre-requisites: An interest in the law and how governments are formed

Course Costs: Stationary and a possible field trip to Hamilton

Total Credits Available: 29

Internally Assessed: 29

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US10347	Demonstrate knowledge of the development of	Int	5	N	N
US27837	Concept of democracy and government	Int	4	N	N
US27840	Concept of justice	Int	4	N	N
US27843	Concept of law	Int	4	N	N
US27846	Litigation and dispute resolution	Int	4	N	N
US27846	Law making processes	Int	4	N	N
US27852	Systems of government	Int	4	N	N

Course Highlights: District courts, law lectures, mooting (debating), client interviews, dispute resolution, developing knowledge of New Zealand's legal systems.

This course can lead to: careers in History, Social Science, Law

For more information, please see Mr Kerr

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
AS91261	Apply algebraic methods in solving problems (Optional)	Ext	4	Y	N
AS91262	Apply calculus methods in solving problems	Ext	5	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. 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 Mathematics with Calculus and/or Level 3 Mathematics with Statistics.

For more information, please see 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 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
Depending on University prerequisites: Option 1 or 2					
AS91574	Option1 – 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 Miss Park

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 Mr Darby or Miss Basher

Course Title: 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 motorised scooter (Go-Ped) while undertaing engineering unit standards. Travel to the Bay of Plenty Polytechnic 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: **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

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 the Head of English, Ms Scott

Course Title: Media Studies L2(12ME2)

Pre-Requisites: 14 credits from Level 1 English. A strong independent work ethic is essential.

Course Costs: \$20 to visit an industry specialist in Hamilton or Auckland (Optional)

Total Credits Available: 27 Internally Assessed: 19 Externally Assessed: 8

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
AS91250	Demonstrate understanding of representation in the media	Int	3	N	N
AS91251	Demonstrate understanding of an aspect of a media genre	Ext	4	Y	R&W

Course Highlights: Visit to a Media Industry. Creating a Media Product. Viewing and unpacking Film.

This course can lead to: Critical understanding of the Media and its effect on Society. UE Reading and Writing Literacy. A subject endorsement is available from this course. Why study Media? *The media are everywhere. They feed us fact and fantasy, ideas and information, sign and symbol, truth and lies. Their influence is profound. (Victoria University. Career View).* In this course we read meaning in media text; investigate representations of social groups in the media; design, write and produce a media film or print product; explain how film or television programmes reflect society.

Ultimately, a career in Management, Law, Teaching, Public Relations, Marketing and Politics.

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

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 L2 and L3 (12PA1) (13PA1)

In order for students to gain Vocational Pathways endorsements and to gain work experience Year 12 Year 13 and 11 students have the following options available. If students have a particular area of interest, we will endeavour to find relevant course work.

Course	Levels	Provider	Vocational Pathway Sector
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

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 year 11, 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 2017 from the following courses:

Year 1 - Level 2	Year 2 - Level 3
Construction and Infrastructure Trades Manufacturing and Technology Trades Service Sector Trades (Hairdressing, Beauty, Tourism, Cookery) Social and Community Services Primary Industry Trades	Architectural Design Building and Construction Electrical Engineering Mechanical Engineering Automotive Engineering (Level 2) Collision Repair and Paint Hospitality and Tourism Hairdressing and Beauty Primary Industry Trades

Students interested in Pathways should consult with Miss Merriman in the first instance.

Course Title: **Physical Education L2 (12PE1)**

Pre-Requisites: HOD Approval

Course Costs: Snow skiing \$520; 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 \$40; Workbook \$25**Total Credits Available:** 19-23 **Internally Assessed:** 19-23 **Externally Assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91498	"Sport is good for us...isn't it?" – evaluate physical activity experiences to devise strategies for life-long wellbeing	Int	4	Y	N
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 –the ultimate 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 success" – Devise strategies for a physical activity outcome	Int	4	Y	N

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).

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

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

Course Title: Social Studies L2**Pre-Requisites:** Social Studies, History or Geography at Level 1**Course Costs:** Nil**Total Credits Available:** 26 **Internally assessed:** 22 **Externally assessed:** 4

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91279	Demonstrate understanding of conflict(s) arising from different cultural beliefs and ideas	Ext	4	N	N
AS91280	Conduct a reflective social inquiry	Int	5	N	N
AS91283	Describe a social action that enables communities and/or nations to meet responsibilities and exercise rights	Int	4	N	N
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 that is of significance to New Zealanders	Int	5	N	R
AS91282	Describe personal involvement in a social action related to rights and responsibilities	Int	4	N	N

Course Highlights: Conducting a social inquiry- interviewing and surveying peers and the community. Students will gain a well-rounded view of society as a whole. Learning about other cultures: looking at the social issues which may affect these cultures. Investigating social justice/human rights actions: will make the students aware of the 'bigger picture' and will help them to think critically about issues. This course can lead to: Level 3 History, Level 3 Geography. A good basis for pursuing a Bachelor of Arts or a Bachelor of Social Sciences. This course is a must for any student interested in pursuing politics as a career option. For more information, please see Mr A Daroux

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
AS91148	Demonstrate understanding of a variety of spoken Spanish texts on familiar matters	Ext	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
AS91152	Write a variety of text types in Spanish for genuine contexts	Int	5	N	N

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
AS	Demonstrate understanding of a variety of extended spoken Spanish texts	Ext	5	N	N
AS	Give a clear spoken presentation in Spanish that communicates a critical response to stimulus material	Int	3	N	N
AS	Demonstrate understanding of a variety of extended written/visual Spanish text(s)	Ext	5	N	N
AS	Write a variety of text types in clear Spanish to explore and justify varied ideas and perspectives	Int	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 BCATS 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	Powertools	Int	6	N	N
US24351	Drawing and sketches	Int	6	N	N
US25921	Make a cupboard project	Int	6	N	N

Course Highlights: This hands on course is offered for those students interested in gaining skills and knowledge towards a trade qualification. It provides NZQA approved unit standard credits towards the Level 1 National Certificate in Building, Construction and Allied Trades qualification.

This course involves students making an outdoor furniture project (Cape Cod chair) in the workshop through the year. This is intended to give all students the opportunity to learn practical skills and techniques using a range of construction materials.

This project is supported by classroom learning on workshop safety, power tools and project drawings.

This course can lead to: Level 2 National Certificate in Building and Allied Trades and Level 3 Trades courses through Gateway or BOP Polytech. Students can go on to consider apprenticeships in a variety of trades such as building, joinery, plumbing and electrical.

For more information, please see Mr Ashford-Beck or www.construction.co.nz

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 2017 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: Technology – Practical Work Skills Year 13 L3 (13WS1)

Pre-Requisites: None

Course Costs: Nil

Total Credits Available: 12

Internally Assessed: 12

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
US9681	Contribute within a team or group with an objective	Int	3	N	N
US4251	Plan a career pathway	Int	2	N	N
US28100	Develop a plan to achieve a long term financial goal	Int	4	N	N
US28098	Evaluate options to increase personal income	Int	3	N	N

Course Highlights: Skills based course where we will undertake the building of a trailer or two that will be sold to the public. Undertake some Unit Standards that will be useful in life once you leave school and move into the work place. Please note this course does not count towards University Entrance.

This course can lead to: Work in the trades area.

For more information, please see Mr New

Course Title: Te Reo Maori L2 (12TR1)

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: 18

Internally Assessed: 18

Externally Assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91284	Whakarongo –listening	Int	6	N	N
AS91285	Korero – speaking	Int	6	N	N
AS91288	Waihanga tuhinga – creative writing	Int	6	N	W

Course Highlights: Students also have the opportunity to sit two additional external exams each worth 6 credits. Research famous people, develop better understanding of biculturalism and Te Reo Maori. Sing, speak, research, explore, visit parts of Aotearoa. This class is student ability and interest driven. Create a children's story, a song, a haka, a speech. Explore a second language the way you want to.

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 Kerr

Course title: **Tourism & Hospitality plus Tourist Resource and Event Management Level 2 (12TO1)**

Pre- requisites: Level 1 Geography, History or Social Studies are an advantage plus a genuine interest in the Tourism industry

Costs: TBA Students will not study all available standards. They will select the standards which suit their individual needs.

Total credits: TBA

Internally assessed: ALL

Externally assessed: 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS91244	Conduct geographic research with guidance (Tourism patterns)	Int	5	Y	N
AS91280	Conduct a reflective social enquiry	Int	4	N	N
US24728	Demonstrate knowledge of work roles in Tourism	Int	3	N	N
US24729	Demonstrate knowledge of world Tourist destinations	Int	3	N	N
US24730	Demonstrate knowledge of the business of Tourism	Int	4	N	N
US62	Maintain personal presentation and positive attitude	Int	3	N	N
US57	Provoke customer service	Int	2	N	N
US14462	Maintain personal presentation and greet customers	Int	2	N	N

The aim of this section of the subject is to allow students the opportunity to undertake study on the tourism & hospitality booklets. Students may wish to choose and include a selection of achievement standards at level 2 and 3 (including 8 credits at UE literacy). The themes of study will be on the cultural process of tourism (how it impacts people and the environment), where and why tourism is situated and located in NZ and finally evaluating the planning and decision making of a significant event from a tourism perspective. Course Highlights: include studying Tourism as a cultural process, aspects of what is required within the Hospitality & Tourism Industry, event planning and management, tourism impacts on people (social, cultural and economic impacts) and on the environment. This will include field trips to Waitomo Caves, Rotorua and Auckland International airport.

For more information, see Mr Roper or Mr Rowe

Course title: **Tourism & Hospitality plus Tourist Resource and Event Management Level 3 (13TO1)**

Pre- requisites: Level 2 Geography, History or Social Studies are an advantage plus a genuine interest in the Tourism industry

Costs: TBA Students will not study all available standards. They will select the standards which suit their individual needs.

Total credits: TBA **Internally assessed:** ALL **Externally assessed:** 0

Std No	Standard Title	Int/Ext	Credits	Numeracy	UE Literacy Reading /Writing
AS90703	Analyse a significant contemporary event (tourism event management)	Int	3	N	R
AS90702	Demonstrate understanding how a cultural process shapes environments (Tourism)	Ext	4	N	R&W
US23766	Demonstrate knowledge of the Tourism industry	Int	5	N	N
US23769	Demonstrate knowledge of a specific role within a Tourism workplace	Int	3	N	N
US23755	Demands of a specific role in a Tourism workplace	Int	3	N	N
US18288	Demonstrate knowledge of New Zealand regions as a tourist	Int	8	N	N
US18226	Apply cross-cultural communication for the Tourism industry	Int	3	N	N

The aim of this section of the subject is to allow students the opportunity to undertake study on the tourism & hospitality booklets. Students may wish to choose and include a selection of achievement standards at level 2 and 3 (including 8 credits at UE literacy). The themes of study will be on the cultural process of tourism (how it impacts people and the environment), where and why tourism is situated and located in NZ and finally evaluating the planning and decision making of a significant event from a tourism perspective. Course Highlights: include studying Tourism as a cultural process, aspects of what is required within the Hospitality & Tourism Industry, event planning and management, tourism impacts on people (social, cultural and economic impacts) and on the environment. This will include field trips to Waitomo Caves, Rotorua and Auckland International airport. For more information, see Mr Roper or Mr Rowe.



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

Year Level Deans:

Year 12 Mr Hammond

Year 13 Miss Halford

Your Form Teachers:

12 Aotea – Mrs Jager

13 Aotea – Mrs Mortimer

12 Arawa – Mrs Baylis

13 Arawa – Mr Stewart

12 Tainui – Mr New

13 Tainui – Mrs Sandbrook

12 Tokomaru – Mrs Hagan

13 Tokomaru – Mr Kerr

Please make your notes and questions here:

Please make your notes and questions here:

YOUR NEXT STEPS ...

1. Discuss your options with your Form Teacher.

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

2. Take this home and discuss with your Whanau.

3. Complete the Course Selection Form with your final choices and give to Mr Stringer before the end of Term 3.