



TAURAROA AREA SCHOOL

YEAR 13
STUDENT HANDBOOK
2017

NCEA LEVEL 3

Students are required to select 5 subjects for study in 2017.

If a student wishes to achieve further Level 2 credits then they should also consider selecting a subject from the Year 12 handbook. This can be accessed on the school website www.tauraroa.school.nz.

The timetable is designed around the needs of our students during Term 4 2016 so careful selection is vital as late changes may mean certain combinations are no longer possible.

Students wishing to discuss career and university options should make an appointment with Ms McKellar before finalising their choices. All students planning on tertiary studies need to make sure they have selected courses that mean they meet the university entry requirements.

UE requirements from 2014
Achievement of NCEA Level 3 (60 credits at Level 3 or higher and 20 credits at Level 2 or higher)
14 credits in each of three subjects from the list of approved subjects.
The remaining credits to achieve NCEA Level 3 may come from either achievement or unit standards.
UE numeracy – 10 credits at Level 1 or higher from specified achievement standards or three specific numeracy unit standards

UE literacy – **10 credits** (five in reading and five in writing) from

- specific Level 2 and higher achievement standards, or specific Te Reo Māori and Te Reo Rangatira Level 2 standards, or
- two specific Level 4 English for academic purposes unit standards, or
- an academic literacy common assessment tool (CAT) at Level 3 (no credit value, run by NZQA).

Please note also that from 2016 Auckland University has signalled that students should also have achieved **at least 17 Level 2 or above English credits.**

Biology

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course):

Gained minimum of one Achieved grade in an External in Year 12 Biology Course.

Standard # & version #	Title	Uni entrance Read/Write	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91607 v1	Demonstrate understanding of human manipulations of genetic transfer and its biological implications.	Yes/No	3	Internal	Research and Report
91603 v1	Demonstrate understanding of the responses of plants and animals to their external environment.	Yes/Yes	5	External	Exam
91602 v1	Integrate biological knowledge to develop an informed response to a socio-scientific issue	Yes/Yes	3	Internal	Research and Report
8050 v4 (Level 5)	Perform Electrophoresis		3	Internal	Practical and written test at Northtec
91604 v1	Demonstrate understanding of how an animal maintains a stable internal environment	Yes/No	3	Internal	Report
91606 v1	Demonstrate understanding of trends in human evolution.	Yes/ Yes	4	External	Exam

Course costs and gear essentials: Biozone Workbook \$29. Field trip to Auckland Zoo \$40

Calculus (Maths)

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course):

Must have achieved AS 91261 and AS 91262 at Level 2

Standard # & version #	Title	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91574 v1	Apply linear programming methods in solving problems	3	Internal	Test
91578 v1	Apply differentiation methods in solving problems	6	External	Exam
91577 v1	Apply the algebra of complex numbers in solving problems	5	External	Exam
91578 v1	Apply integration methods in solving problems	6	External	Exam
91575 v1	Apply trigonometry methods in solving problems	4	Internal	Test
91573 v1	Apply the geometry of conic sections in solving problems	3	Internal	Test
91587	Apply systems of simultaneous equations in solving problems	3	Internal	Test

Chemistry

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course): At least 14 credits in Level 2 Chemistry.

Standard # & version #	Title	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91388 v1	Demonstrate understanding of spectroscopic data in chemistry	3	Internal	Test
91390 v1	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5	External	Examination
91393 v1	Demonstrate understanding of oxidation-reduction processes	3	Internal	Test
91391 v1	Demonstrate understanding of properties of organic compounds	5	External	Examination
91392 v1	Demonstrate understanding of equilibrium principles in aqueous systems	5	External	Examination

Course costs and gear essentials: Chemistry workbook (\$17) and scientific calculator

Drama

Level 3

Standard # & version #	Title	Uni entrance Read/Write	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91512 v1	Interpret scripted text to integrate drama techniques in performance.	Yes/No	4	Internal	Portfolio and performance
91513 v1	Devise and perform a drama to realise a concept.	-	5	Internal	Process and performance – group mark
91517 v1	Perform a substantial acting role in a significant production.	Yes/No	5	Internal	Process and Performance
91518 v1	Demonstrate understanding of live drama performance.	No/Yes	4	External	Examination
91514 v2	Interpret a text from a prescribed playwright to demonstrate knowledge of a theatre form or period	Yes/Yes	4	External	Examination
91519 v1	Script a drama suitable for live performance.	No/Yes	5	Internal	Written script and performance

Course costs and gear essentials:

Refill, clear file, plain black trousers and tee shirt, highlighter pens, common personal stationery.

Up to four trips to the theatre in Auckland are taken each year to prepare for the external exam. Typical cost \$60 per trip.

English

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course): At least 14 Level 2 credits, 8 of which should be from external exams. Students will all complete 91472, 91474 and 91475 and then choose from the other standards offered. Deadline: one by each end of term 1-13

Standard # & version #	Title	Uni entrance Read/Write	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91472 v1	Respond critically to specified aspect(s) of studied written texts(s), supported by evidence	Yes/Yes	4	External	exam
91474 v1	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	Yes/Yes	4	External	exam
91475 v1	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas	No/Yes	6	Internal	Ongoing
91476 v1	<i>Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas</i>	No/No	3	Internal	speech
91477 v1	<i>Create a fluent and coherent visual text which develops, sustains, and structures ideas using verbal and visual language</i>	No/No	3	Internal	Practical
91479 v1	<i>Develop an informed understanding of literature and/or language using critical texts</i>	Yes/No	4	Internal	Written report
91480 v1	<i>Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence</i>	No/No	3	Internal	Internal assessment

Geography

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course): must have achieved at least 13 credits at Level 2 Geography (including 4 from the external exam) or 18 credits at Level 1 Geography in 2015 and 16 Achievement Standard credits in Level 2 English.

Standard # & version #	Title	Uni entrance Read/Write	Credit value	Mode (Int/Ext)	Method
91428 v1	Analyse a significant contemporary event from a geographic perspective - Fritter Festival March 2017	Yes/No	3	Internal	Independent report and presentation
912430 v1	Conduct geographic research with consultation	-	5	Internal	Group data gathering Independent report
912431 v1	Analyse aspects of a contemporary geographic issue – topic of student's own choice	Yes/No	3	Internal	Written assessment Open book
912432 v1	Analyse aspects of a geographic topic at a global scale	-	3	Internal	Written assessment Open book
Either 91427 v1	Demonstrate understanding of how a cultural process shapes geographic environment(s)	Yes/Yes	4	External	exam
Or 912429 v1	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills	Yes/Yes	4	External	exam

Course costs and gear essentials: Coloured pencils, pencil, eraser, pencil sharpener, ruler, highlighters glue and scissors. Field trips to Whangarei for Fritter Festival and research field work or our cultural case study (venue depends on the process selected) – approx. cost in total up to \$350.

Graphics and Design

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course): Successful completion of Level 2 or by approval of the Level 3 teacher

Standard # & version #	Title	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
AS91627 v2	Initiate design ideas through exploration	4	External	Portfolio
AS91628 v2	Develop a visual presentation that exhibits a design outcome to an audience.	6	Internal	Portfolio and Presentation to audience
AS91629 v2	Resolve a spatial design through graphics practice	6	Internal	Portfolio
AS91630 v2	Resolve a product design through graphics practice	6	Internal	Portfolio

Health

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course):

Must have Achieved Health at Level 1 or 2 and/or shown a genuine interest in the subject to be accepted into the course.

Standard # & version #	Title	Uni entrance Read/Write	Credit value	Mode (Int/Ext)	Method
91461 v1	Analyse a New Zealand health issue	Yes/No	5	Internal	Written assessment
91462 v1	Analyse an international health issue	Yes/Yes	5	External	exam
91463 v1	Evaluate health practices currently used in NZ	Yes/No	5	Internal	Written assessment
91464 v1	Analyse a contemporary ethical issue in relation to wellbeing	Yes/No	4	Internal	Written assessment

Course costs and gear essentials: Health work book and clear file for notes and handouts. There may be some travel costs for local field trips.

Music

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course): Must have passed at least three Level 2 Music standards.

Standard # & version #	Title	Uni entrance Read/Write	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91425 v1	Research a music topic	Yes/No	6	Internal	Task
91418 v1	Demonstrate Ensemble Skills by Performing two substantial pieces as a member of a group		4	Internal	Public Performances
91419 v1	Communicate musical intention by composing three original pieces of music		8	Internal	Submit work
91416 v1	Perform two programmes of music as a featured soloist		8	Internal	Performance evening

Course costs and gear essentials: Must take itinerant music or private music lessons. Guitarists and Bassists must provide own picks, leads and FX pedals as required. Students are expected to contribute to Co-curricular music.

Physical Education Level 3

Prerequisites; Must have achieved at least 14 internal credits in Level 2 Physical education.

Course description; This course will consist of a selection of the below Achievement Standards combining to a minimum of 16 Level 3 credits. Selection will be determined by students' abilities enrolled in this course and reviewed on an ongoing basis during the year.

Special considerations; PE Units require written and physical tasks. Students' written work and participation in physical activity must reflect each other to achieve each standard.

Standard # & version #	Title	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91498 v1	Evaluate physical activity experiences to devise strategies for lifelong well-being	4	Internal	Written assessment
91499 v1	Analyse a physical skill performed by self or others	3	Internal	TBA Practical and Written
91500 v1	Evaluate the effectiveness of a performance improvement programme	4	Internal	Sport or event training. Presentation
91501 v1	Demonstrate quality performance of a physical activity in an applied setting	4	Internal	TBA Practical
91502 v1	Examine a current physical activity event, trend, or issue and its impact on New Zealand society	4	Internal	TBA Written
91504 v1	Analyse issues in safety management for outdoor activity to devise safety management strategies	3	Internal	Written assessment

Course costs and gear essentials: Physical activity appropriate clothing, exercise book and clear leaf file for handouts.

Students taking this course of study must also be aware that there will be two outdoor activities off site which will have a cost involved.

Physics

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course):
Must have achieved all Level 2 internal standards and at least one external standard.

Standard # & version #	Title	Uni entrance Read/Write	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91523 v1	Demonstrate understanding of wave systems		4	External	exam
91524 v1	Demonstrate understanding of mechanical systems		6	External	exam
91426 v1	Demonstrate understanding of electrical systems		6	External	exam
91525 v1	Demonstrate understanding of Modern Physics		3	Internal	Written report
91521 v1	Carry out a practical investigation to test a physics theory relating to two variables in a non-linear relationship		4	Internal	Practical exam
91527 v1	Use Physics knowledge to develop an informed response to a socio-scientific issue	Yes/No	3	Internal	Written report
91522 v1	Demonstrate understanding of the application of physics to a selected context		3	Internal	Written report

Course costs and gear essentials: Workbook, approximate cost \$30.

Statistics

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course):

Must have achieved AS 91261 and at least one other external standard at Level 2.

Standard # & version #	Title	Uni entrance Read/Write	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91580 v1	Investigate time series data		4	Internal	test
91581 v1	Investigate bivariate measurement data		4	Internal	test
91584 v1	Evaluate statistically based reports	Yes/No	4	External	exam
91587 v1	Apply systems of simultaneous equations in solving problems		2	Internal	test
91582 v1	Use statistical methods to make a formal inference		4	Internal	test

Technology

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course): Successful completion of Level 2 with at least one Merit pass or approval by Level 3 teacher.

Standard # & version #	Title	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
AS 91612 v2	Demonstrate understanding of how technological modelling supports technological development and implementation	4	External	Written assignment
AS 91623 v2	Implement complex procedures to create an applied design for a specified product	4	Internal	Construct product and portfolio
AS 91620 v2	Implement complex procedures to integrate parts using resistant materials to make a specified product	6	Internal	Construct product and portfolio
AS91609 v2	Undertake project management to support technological practice	4	Internal	Written assignment
AS 91613 v2	Demonstrate understanding of material development	4	External	Written assignment

Course costs and gear essentials:\$60 plus any extra cost due to students design

Visual Art - Painting

Level 3

Prerequisites (what you need to be able to do or have achieved for entry to this course): Level 2 Painting or Design

Standard # & version #	Title	Credit value	Mode (Int/Ext)	Method (eg test, practical, exam.)
91446 v1	Use drawing to demonstrate understanding of conventions appropriate to painting	4	Internal	Practical
91451 v1	Systematically clarify ideas using drawing informed by established painting practice	4	Internal	Practical
91456 v1	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	14	External	Practical

Course costs and gear essentials: personal Art materials.

GATEWAY/ WORK EXPERIENCE

All students from Year 11 up are eligible to participate in the Gateway work experience programme. This allows students the opportunity to spend one a day a week in a workplace to gain an understanding of that particular career or work in general. Students must attend a minimum of six days in the workplace.

Students will be expected to maintain a high standard of behaviour and to demonstrate that they are catching up on work missed in the classroom while at work experience. Interested students should collect a Gateway Information Pack from the Gateway Coordinator (Mrs Saunt) and return the appropriate forms with their option sheet.

HOSPITALITY

The Level 3 Hospitality course is run in partnership with NorthTec as part of the Te Tai Tokerau Trades Academy programme (TTTA). Students enrolled in the Cookery Academy will be eligible to gain the New Zealand Certificate in Cookery Level 3 which is recognised throughout the hospitality industry. The course consists of 60 NCEA L3 credits. After attending an introductory week long course, students attend NorthTec for one day a week as part of their school studies. An 80% attendance requirement is essential to ensure students have the best chance of success. On successful completion of this course, the expectation is that these students will be eligible to apply for Level 4 Cookery Programmes.

OTHER COURSES

Other courses are available through Farnet, an e-Learning school or the Te Aho O Te Kura Pounamu (New Zealand Correspondence School) and other Providers for students with a particular interest. For

Farnet/Te Kura courses a student must have their own appropriate device e.g. laptop/Chrome book/tablet. Students can discuss these courses with Mrs Howes and/or Ms McKellar.

There will be an interview process to complete successfully for students wishing to join STAR/Gateway funded courses. Students will need to have demonstrated good independent work habits in Year 12 and be working at appropriate Literacy and Numeracy levels.