



TAMATEEA

HIGH SCHOOL

**Growing Good People for a
Changing World**

**Year 13
Course
Information**

2020

Tamatea High School Course Handbook 2020

This booklet contains essential information on National Certificate of Educational Achievement (NCEA) Level 3 courses offered at Tamatea High School in 2020. Choosing the correct subjects for a student's educational pathway is important so that their course of study suits their individual abilities, interests and learning needs.

Students in Years 11, 12 and 13 work towards gaining their NCEA at Level 1, 2 and 3. NCEA is primarily made up of Achievement Standards. Students taking alternative courses may gain work/industry related Unit Standards which also count towards NCEA Qualifications.

Key Contacts

Senior Management

Principal	Robin Fabish
Deputy Principal	Nigel Groom
Deputy Principal	Nicky Anderson

Deans/Careers/Guidance

Year 9 Dean	Josie Burdon
Year 10 Dean	Cheryl Pohlen
Year 11 Dean	Sanjesh Kumar
Year 12 Dean	Jan Miles
Year 13 Dean	Dave Murdoch
International Dean	Cheryl Brownlee
Careers Advisor	Cindy Morgan
Guidance Counsellor	Wendy Isakson
NZQA Principal's Nominee	Cheryl Brownlee
SENCO	Nicky Anderson

Heads of Departments/Teachers in Charge

Careers	Cindy Morgan
English	Hugh Forlong-Ford
Health	Annie Macfarlane
Languages	Cheryl Brownlee
Mathematics	Sanjesh Kumar
Physical Education	Ken Bolland
Science	David Murdoch
Social Sciences	Dianne Martin
Technology and Arts	Kay Le Comte

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Subjects

13	English – includes English for Speakers of Other Languages (ESOL)
14	301 English
15	302 English
16	302 English for Speakers of Other Languages (ESOL)
17	Mathematics
18	301 Mathematics
19	301 Calculus
20	301 Statistics
21	Science – includes Horticulture
22	301 Biology
23	301 Chemistry
24	301 Physics
25	301 Science
26	302 Horticulture
27	The Arts - includes Visual Art (Design, Painting, Photography, Printmaking and Sculpture) Music and Theatre Technology
28	301 Visual Art
29	301 Music
30	302 Theatre Technology
31	Health and Physical Education – includes Home Economics
32	301 Health
33	301 Home Economics
34	301 Physical Education
35	Languages
36	301 Japanese
37	Māori includes Te Reo, Tikanga and Māori Performing Arts
38	301 Te Reo Māori
39	302 Māori Performing Arts
40	Social Sciences - includes Social Studies, Geography, History, Classics, Tourism and Education for Sustainability
41	301 Social Studies
42	301 Geography
43	301 History
44	301 Education for Sustainability
45	301 Classical Studies
46	302 Tourism

47	Technology - includes Multi Technology, Design Technology - Hard Materials, Digital Technology, Food and Nutrition
48	302 Design Technology – Hard Materials
49	301 Digital Technology
50	302 Food and Nutrition
51	Trades and Gateway
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53	302 Gateway
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Principal's Notes

Career Planning for Students

As you begin to select your course of study for 2020 there are a number of factors you must carefully consider when making your decision.

1. Ownership of your learning

This occurs when you take time to set goals for yourself in terms of your learning and how it relates to your future. Career planning and building your life begins with taking responsibility for your choices and developing a vision for your future.

2. Developing a vision

Time spent planning for your future is a challenging task but is the key to your success. Here are a number of strategies to work through:

- Work with your Whānau Group teacher and/or Dean to write a well-considered plan
- Set goals for your learning and achievement for 2020 and beyond eg. NCEA Goals
- Pursue excellence in all your tasks and activities
- Know the skills you have and the skills you need to develop, to be the very best you can be

3. Practical issues to consider when choosing subjects

- Keep your options as broad as possible for as long as possible
- Know how subjects develop through the senior school, for example: Level 1 Science can become Physics, Chemistry and Biology at Levels 2 and 3
- Know what the entry requirements are for particular jobs and/or courses of study at universities or polytechnics. Check www.careers.govt.nz
- Get good information and advice from your Careers Advisor (Mrs Morgan) and/or employers, about what subjects you need and at what level
- Consider the subjects that you are interested in and have ability in, these classes will help you achieve your best and may help you see future career options
- Future proof your learning, by gaining skills which will help you to continue learning throughout your life. Work places will demand this as change in the work force becomes constant. You will need to:
 - ♦ communicate well, orally and in writing
 - ♦ work co-operatively with others
 - ♦ use a range of information technologies
 - ♦ cope with and adapt to constant change
 - ♦ be punctual and reliable
 - ♦ be a good person

Choosing your programme of study for 2020 is an important task. Seek assistance and advice from your parents, your Whānau Group teacher, class teachers, Heads of Departments, Deans and Mrs Morgan. You will be most successful when these decisions are carefully planned and fit with your own interests and needs. Please do not hesitate in seeking help with this task.

Good planning

Robin Fabish
Principal

TAMATEA HIGH SCHOOL
SENIOR CURRICULUM STRUCTURE 2020

Departments	Level One	Level Two	Level Three
	NCEA	NCEA	NCEA
ENGLISH	101 English 102 English 103 English ESOL	201 English 202 English 203 English ESOL	301 English‡ 302 English ESOL
MATHEMATICS	101 Mathematics 102 Mathematics 103 Mathematics	201 Mathematics 202 Mathematics	301 Mathematics‡ 301 Calculus‡ 301 Statistics‡
SCIENCE	101 Science 102 Science 103 Science 102 Horticulture	201 Biology 201 Chemistry 201 Physics 202 Horticulture	301 Biology‡ 301 Chemistry‡ 301 Physics‡ 302 Science 302 Horticulture
ARTS	101 Art – Visual Arts 101 Music 102 Theatre Technology	201 Art – Visual Arts 201 Music 202 Theatre Technology	301 Art – Visual Arts‡ 301 Music‡ 302 Theatre Technology
HEALTH and PHYSICAL EDUCATION	101 Health 101 Physical Education	201 Health 201 Physical Education	301 Health‡ 301 Home Economics‡ 301 Physical Education‡
LANGUAGES	101 Japanese	201 Japanese	301 Japanese‡
MAORI	101 Te Reo Māori 102 Tikanga 102 Māori Performing Arts	201 Te Reo Māori 202 Tikanga 202 Māori Performing Arts	301 Te Reo Māori‡ 302 Māori Performing Arts
SOCIAL SCIENCES	101 Social Studies 101 Geography 101 History 101 Classics	201 Social Studies 201 Geography 201 History 201 Education for Sustainability 201 Classics 202 Tourism Studies	301 Social Studies ‡ 301 Geography‡ 301 History‡ 301 Education for Sustainability‡ 301 Classics‡ 302 Tourism Studies
TECHNOLOGY	102 Design Technology – Hard Materials 101 Design Multi Technology 102 Digital Communication 101 Digital Technologies 102 Food and Nutrition	202 Design Technology – Hard Materials 202 Digital Communication 201 Digital Technologies 202 Food and Nutrition	302 Design Technology – Hard Materials 301 Digital Technologies‡ 302 Food and Nutrition
OTHER PROGRAMMES (Special conditions apply – see Mrs Morgan)	Virtual Learning Network Project Based Learning	202 Gateway 202 Trades Academy @ EIT Virtual Learning Network Project Based Learning	302 Gateway 202/302 Trades Academy @ EIT Virtual Learning Network Project Based Learning

‡ Subjects from the University Entrance Approved List

If there is a subject you would really like to study that is not listed above, see Mrs Morgan to discuss it

There is a possibility of studying other subjects

- through distance learning
- by virtual learning
- by attending EIT

Subjects studied in the past have included Agriculture, Accounting, Calculus, Economics, Home Economics, Law, Media Studies, Spanish, Health Disability and Age Support Certificate and University papers.

Alternative courses

A range of programmes exist to meet the diverse needs of students:

Special Needs/ Gifted and Talented Education Programmes (GATE)

Students with Special Needs including GATE may be invited to enter alternative programmes that better meet their learning needs. They may also apply for special assessment conditions – please see the SENCO, Ms Anderson for further details.

Gateway

This programme links school and the workplace – refer to Year 13 Course descriptions for detail.

Hawke's Bay Schools' Trades Academy @ EIT

Students will typically spend each Friday out at EIT following a programme of study for their area of interest. For more information refer to 202/302 Trades Academy.

STAR Courses

A number of Secondary/Tertiary Alignment Resource (STAR) courses link students to Polytechnics or other providers for short term courses. These courses are often in the holidays for levels 1-3 and provide students with work related learning. Mrs Morgan (STAR Coordinator) will offer these courses to meet individual student needs and interest.

Distance Learning

If there is a subject not offered by Tamatea High School or for which there is an unresolvable timetable clash there are other opportunities available for self-motivated learners. These are opportunities to study through Te Kura Pounamu, (the Correspondence School) through the VLN via the Baylink cluster of schools, or tertiary study through EIT or the Universities. To find out more see Mrs Morgan. Students who apply must:

- be self-motivated, well organised and committed to achieving
- have an excellent attendance record
- have the necessary pre-requisites for the course (e.g. a pass in externals of a previous NCEA level)
- gain permission from their dean and parents

Project Based Learning (PBL)

In 2020 we are offering Project Based Learning as full year courses for Year 11, 12 and 13. Project Based Learning is where students gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging and complex question, problem, or challenge.

Students who are interested can opt in to PBL as a subject. These students will meet with the appropriate staff member to discuss the content of the project.

NCEA Guide: Mobile App

To help parents and employers better understand NCEA, NZQA has developed an app designed for mobile devices - phones and tablets.

Called NCEA Guide, the app is for parents, whānau and employers and provides quick and easy access to key information about NCEA. NCEA Guide includes key content about the structure of NCEA, how the qualification is used after studying, how credits work, and how endorsements are earned. Users can also choose to view the content in English or Te Reo.

Importantly, parents and whānau can also get information about how they can support family members studying towards gaining their secondary school qualification. For employers, content focusses on what they can expect to see when job candidates show them documents detailing their qualifications and what they have studied.

The NCEA Guide App is free to download from the [Apple App Store](#) and [Google Play Store](#).

National Certificate of Educational Achievement (NCEA)

NCEA (the National Certificate of Educational Achievement) has three levels: Levels 1, 2 and 3. These are the first three levels of the National Qualification Framework's eight levels, with higher levels studied at polytechnics, universities and other tertiary providers.

Students gain credits through:

Achievement standards with	Excellence Merit Achieved Not Achieved
Unit Standards with	Achieved Not Achieved

For a student to be awarded NCEA Level 1 they must achieve:

- 80 credits.
- 10 credits in Literacy standards
- 10 credits in Numeracy standards.

For a student to be awarded NCEA Level 2 they must achieve:

- 60 credits at level 2 or above; plus
- 20 credits at any level, even if gained for any other National Qualification
- Level 1 Literacy and Numeracy

For a student to be awarded NCEA Level 3 they must achieve:

- 60 credits at level 3 or above; plus
- 20 credits at level 2 or above, even if gained for any other National Qualification
- Level 1 Literacy and Numeracy

NCEA Certificate Endorsement

Students have the opportunity to earn NCEA with Merit or Excellence if they gain 50 credits at the required level.

NCEA with Excellence requires 50 credits at Excellence

NCEA with Merit requires 50 credits at Merit (or a combination of Excellence and Merit)

NCEA Course Endorsement

Students can pass a particular subject with a Merit or Excellence endorsement

eg **Science with Excellence, Music with Merit**

To do this they must get:

14 or more credits at Merit or Excellence in their course in a single year with at least three credits from externally assessed standards and three credits from internally assessed standards

The courses where this is available are marked at the bottom of the relevant page with this box.

<p>Course Endorsement available (see page 7 for explanation)</p>

Gaining University Entrance (UE)

UE Requirements

University Entrance (UE) is the **minimum requirement** to go to a New Zealand university or to study for a degree at a New Zealand polytechnic. To qualify a student will need:

- **NCEA Level 3** – 60 credits at Level 3 or higher and 20 credits at Level 2 or higher
- **Three subjects** - at **Level 3 or above**, made up of:
 - 14 credits each, in three approved subjects (see below)
- **Literacy - 10 credits at Level 2 or above, made up of:**
 - 5 credits in specified reading credits
 - 5 credits in specified writing credits
- **Numeracy - 10 credits at Level 1 or above**, made up of either:
 - Achievement Standards – specified standards from a range of subjects, or
 - Unit Standards - three Unit Standards (26623, 26626, 26627- **all** required)

Approved Subjects

Accounting	Indonesian
Agriculture & Horticulture	Japanese
Biology	Korean
Business Studies	Latin
Calculus	Mathematics
Chemistry	Media Studies
Chinese	Music Studies
Classical Studies	New Zealand Sign Language
Construction and Mechanical Technologies	Painting (Practical Art)
Cook Islands Māori	Photography (Practical Art)
Dance	Physical Education
Design (Practical Art)	Physics
Design and Visual Communication	Printmaking (Practical Art)
Digital Technologies	Processing Technologies
Drama	Psychology
Earth and Space Science	Religious Studies
Economics	Samoan
Education for Sustainability	Science
English	Sculpture (Practical Art)
French	Social Studies
Geography	Spanish
German	Statistics
Health Education	Technology
History	Te Reo Māori
History of Art	Te Reo Rangatira
Home Economics	Tongan

A student who wishes to study for a degree at a New Zealand Polytechnic or University disadvantages themselves if they do not plan a course which gives them five approved subjects at Level 3.

Gaining Admission to a New Zealand University

Students who are applying for admission to a New Zealand University must gain both:

- **University Entrance**
- **Selection into the specific university degree programme through their rank score/points.**

Rank score/Points are calculated from a student's top 80 credits at Level 3 or higher with a maximum of 24 credits per subject over five approved subjects.

- credits at Excellence = 4 points
- credits at Merit = 3 points
- credits at Achieved = 2 points

Examples for Entrance to an undergraduate degree in 2018:

Victoria University

- Guaranteed Entry Score 150 points

University Entrance: Information for Parents and Caregivers

Research recently undertaken at the University of Auckland found many school leavers were missing out on University Entrance because of unsuitable NCEA choices. They recommended the following

1. Understand NCEA.
2. Plan from Year 9 (as many subjects have pre-requisites).
3. Keep options open by choosing academic subjects such as English, Mathematics, Sciences and Languages.
4. Find out about the university entry standards for your son/daughter's choice of career and then work backwards when choosing NCEA subjects.
5. Review their career goals each year to ensure they are enrolled in the correct subjects.
6. Go to Individual Development Plan (IDP) meetings and engage with the school.
7. Encourage high standards and celebrate your son/daughter's successes.

A possible course outline for someone heading for degree study

Subject	Level 1	Level 2	Level 3
English	101 English	201 English	301 English
Mathematics	101 Mathematics	201 Mathematics	301 Calculus
Physical Education	101 Physical Education	201 Physical Education	301 Physical Education
Social Sciences	101 Social Sciences	201 Social Sciences	301 Classical Studies
Science	101 Science	201 Biology	301 Biology
Technology	102 Design Technology Hard Materials		

Scholarship

Entry for Scholarship is available for students who are top academics and who seek to challenge themselves beyond the level of NCEA Level 3. Any student who may wish to prepare for Scholarship needs to speak to the relevant HOD.

Vocational Pathways

Vocational pathways were introduced by the Government to help a learner see the industry links to their learning at schools developed

Six pathways were identified:

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



Industry leaders from those areas then sat down and examined almost 2000 standards taught in schools and identified the standards containing the knowledge used in their industry.

Students can log in to NZQA and see which sector/s value the standards they have gained. Alternatively they can plan a programme and use the profile builder to see where their plan will take them. <http://youthguarantee.net.nz/vocational-pathways/profile-builder/>

Parents will see that we have identified the Vocational Pathways that relate to each standard.

Students will now be able to achieve **NCEA Level 2 in Vocational Pathways**. To achieve the Vocational Pathways Award, the learner must achieve: NCEA Level 2 which includes

Literacy (10 credits) and

Numeracy (10 credits) at Level 1 or above, **and**

Achieve 60 Level 2 credits from the Recommended Assessment Standards for a Vocational Pathways sector e.g Primary Industries,




The pathways enable students to see how their learning and achievement will be valued in the workplace and the types of study options and jobs opportunities available.

Achieving a vocational pathway means a learner has developed the skills and knowledge in areas that employers' value. It lets an Employer see a learner's strengths, abilities and interests are relevant to a field of work.

Although we have indicated Vocational Pathways (where available) at Level 1, 2 and 3, please note Vocational Pathways Awards are currently only available for Level 2.

Once a vocational pathway has been identified the information provided in Occupation Outlook <http://www.dol.govt.nz/publications/lmr/occupational-outlook/> will identify the probable income fees and job prospects for that pathway.

The dials show the income, fees and job prospects for each occupation

 <p>INCOME</p>	 <p>FEEs</p>	 <p>JOB PROSPECTS</p>
<p>This dial shows likely income</p>	<p>This identifies the fees required to qualify for this job.</p>	<p>This dial shows the chance of a job in this area of work.</p>

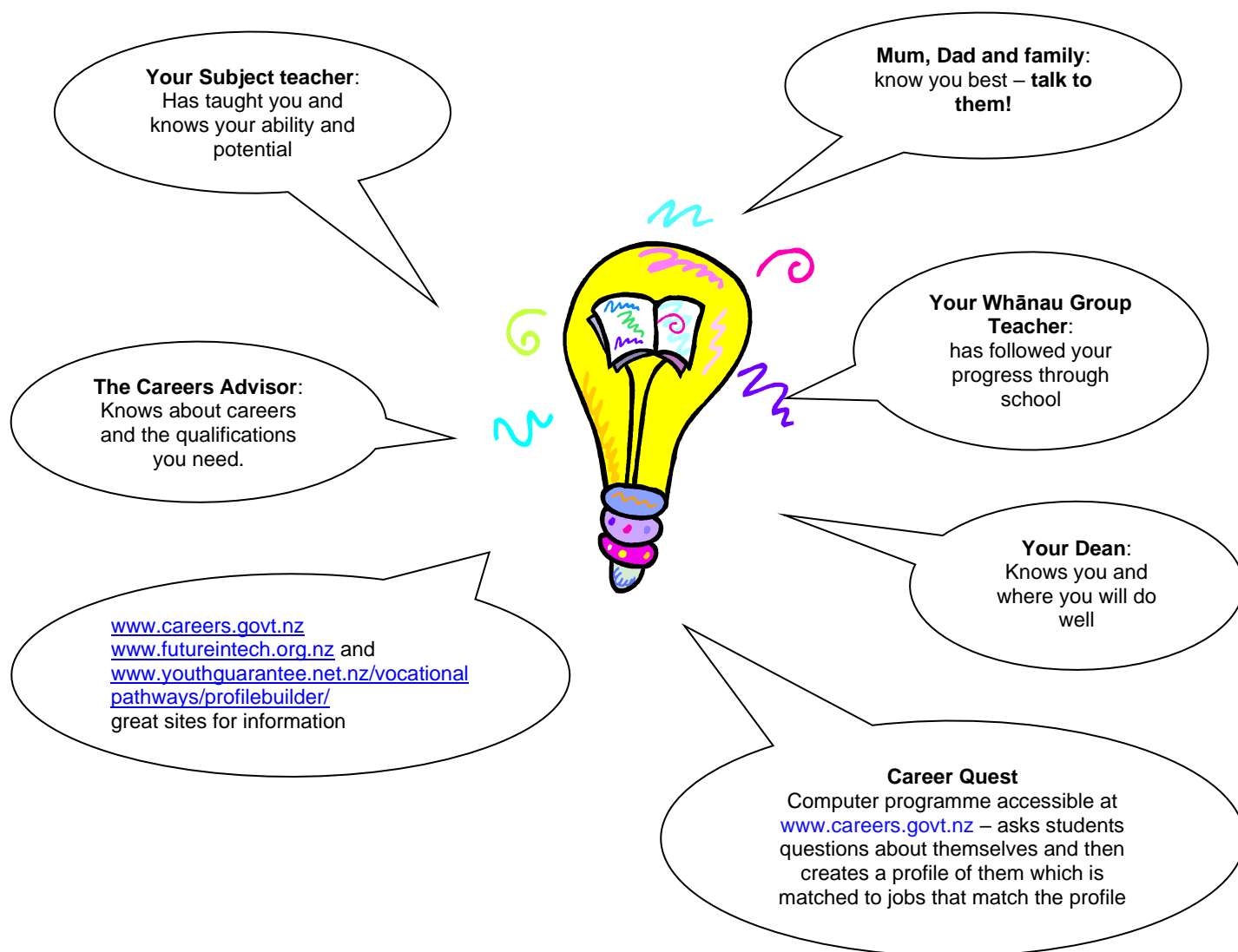
What To Choose

Students should be aiming to achieve approximately 12 - 15 credits in every subject selected.

- **Plan your course as though you are at school until the end of Year 13.**
- **Choose:** the subjects you enjoy
the subjects you do well in
the subjects you need for your career areas of interest

A Guide to Course Choice

Select courses according to your ability and interest. Bear in mind it is wise to keep a broad range of courses for as long as possible.



Consult, discuss, consider
It's YOUR future you are planning

Course Costs

Course/Subject Contribution

Course/Subject contributions represent the 'take home' material that is used in the classroom. The school purchases these materials (at a discount due to bulk purchasing), and this charge covers part of the costs.

To meet these financial commitments Tamatea High School recommends parents or caregivers establish an automatic payment of approximately \$5-\$10 per week. At the end of your son/daughter's schooling any unused payments are refunded to the parent or caregiver.

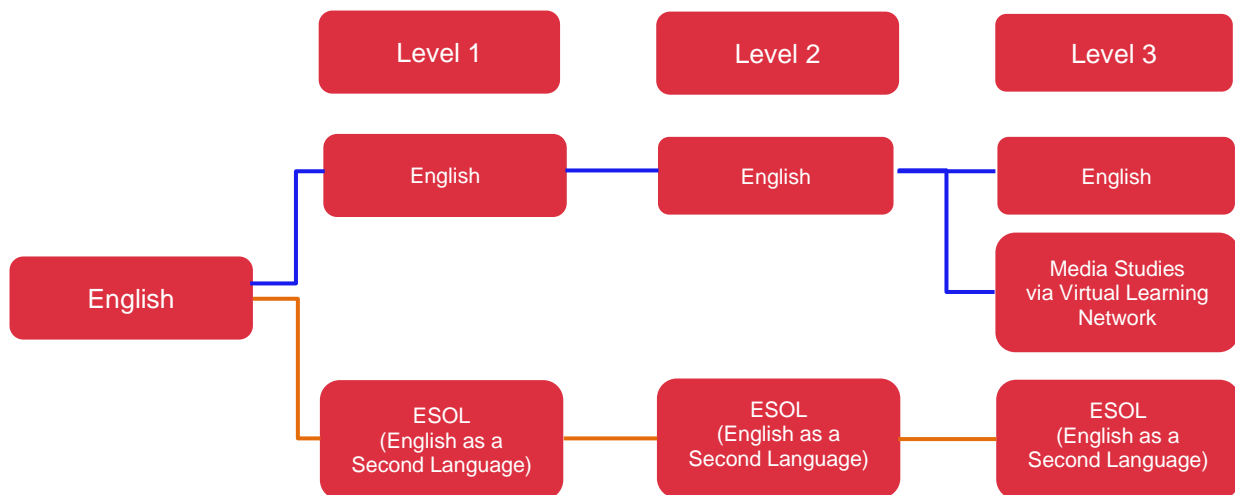
KEY TO ABBREVIATION USED ON COURSE TEMPLATES

AS	Achievement Standard
US	Unit Standard
01	For students with proven performance at Year 10
02	For students who have found aspects of the Year 10 subject difficult or a course that is mainly Unit Standard based
Internal	Internally assessed
External	Externally assessed (typically through examinations)
Sub Ref	Subject Reference
HOD	Head of Department
NCEA	National Certificate of Educational Achievement

English

English is the study of the English language and literature. You will read a range of literature and explore the ideas within different texts. You will practise writing creatively and informatively and develop speaking, listening and research skills.

For all levels of English, students will be placed in the most appropriate English course depending on their previous year's achievement.



Possible Careers

For example:

Actor, Advertising Specialist, Air Force Officer, Air Traffic Controller, Army Officer, Archivist, Auctioneer, Author, Barrister, Clinical Coder, Communications Professional, Conservator, Copywriter, Court/Legal Clerk, Court Registry Officer, Customs/Freight Broker, Data Entry, Diplomat, Director (Film, Television, Radio, Stage), Dispensing Optician, Editor, Elected Government Representative, Film and Video Editor, Foreign Policy Officer, Geospatial Specialist, Historian, Immigration Officer, Intelligence Officer, Human Resources Generalist, Journalist, Judge, Kaiwhakaako Māori, Lawyer, Legal Executive, Lexicographer, Library Assistant, Librarian, Management Consultant, Market Research Analyst, Marketing Specialist, Medical Device Sales Representative, Navy Officer, Navy Sailor, Policy Analyst, Police Officer, Printer, Procurement Manager, Public Relations Professional, Publicist, Radio Presenter, Recruiting Manager, Registered Nurse, Solicitor, Speech-Language, Therapist, Sterilising Technician, Teacher, Teacher Aide, Teacher of English for Speakers of Other Languages (ESOL), Technical Writer, Television Presenter, Tertiary Lecturer, Trainer, Translator, Workplace Relations Adviser

301 English

301ENG

Total Credits Available	21				
University Entrance Reading Credits	4				
University Entrance Writing Credits	14				
Entry Requirements	<ul style="list-style-type: none"> Eligibility for entry into this course will be decided by the HOD/Dean At least one Merit grade from Level 2 English plus achievement of either 2.1 or 2.2 Achieved UE Literacy in 2017 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Attainment of the English standards fulfilling the requirements for University Entrance Literacy 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
11	21	13	21	21	21

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Eng 3.1	AS 91472 v1	R/W	3	4	Respond critically to specified aspect(s) of studied written or oral text(s), supported by evidence	Ex	
Eng 3.2	AS 91473 v1	W	3	4	Respond critically specified aspect(s) of studied visual or oral text(s), supported by evidence	Ex	
Eng 3.4	AS 91475 v1	W	3	6	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	Int	
Eng 3.5	AS 91476 v1	-	3	3	Create and deliver a fluent and coherent oral text which develops, sustains and structures ideas	Int	
Eng 3.7	AS 91478 v1	-	3	4	Respond critically to significant connections across texts, supported by evidence.	Int	

**Course
Endorsement
available**
(see page 7 for
explanation)

302 English

302ENG

Total Credits Available	18				
University Entrance Reading Credits	4				
University Entrance Writing Credits	8				
Entry Requirements	<ul style="list-style-type: none"> Eligibility for entry into this course will be decided by the HOD/Dean Achieved at least one of 2.1, 2.2 or 2.8 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 2 and/or 3 Approved subject for University Level at Level 3 Attainment of some of the English standards fulfilling the requirements for University Entrance Literacy 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
8 or 15	15	18 or 10	15	15	12 or 15

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Eng 2.1 or 3.1	AS 91098 V3 or 91472 v1	R/ W	2 or 3	4	Analyse specified aspect(s) of studied written or oral text(s), supported by evidence or Respond critically to specified aspect(s) of studied written or oral text(s), supported by evidence	Ex	
Eng 2.2 or 3.2	AS 91099 V3 or 91473 v1	W	2 or 3	4	Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence or Respond critically specified aspect(s) of studied visual or oral text(s), supported by evidence	Ex	
Eng 2.5 or 3.5	AS 91102 V2 or 91476 v1	-	2 or 3	3	Construct and deliver a crafted and controlled oral text or Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	Int	
Eng 2.7 or 3.7	AS 91104 V2 or 91478 v1	-	2 or 3	4	Analyse significant connections across texts, supported by evidence or Respond critically to significant connections across texts, supported by evidence	Int	
Eng 2.10 or 3.9	AS 91107 V2 or 91480 v1	-	2 or 3	3	Analyse aspects of visual and/or oral texts through close viewing and/or listening, supported by evidence or Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence	Int	

Course Endorsement available
(see page 7 for explanation)

302 English for Speakers of Other Languages

302ESL

Total Credits Available	25
University Entrance Reading Credits	0
University Entrance Writing Credits	0
Entry Requirements	<ul style="list-style-type: none"> Be a person for whom English is not their first language 12 credits in 202ESL and/or be in your third year living in New Zealand
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3
Course Contribution	<ul style="list-style-type: none"> Nil
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment
Vocational Pathways	
Manufacturing	Construction and Infrastructure
Creative Industries	Primary Industries
Service Industries	Social and Community
0	0
0	0
0	0
0	0
0	0

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
ESOL	US 30997 v1	-	3	5	Read and understand a text on a familiar topic (EL)	Int	
ESOL	US 31004 v1	-	3	5	Read and understand a text for a practical purpose (EL)	Int	
ESOL	US 31008 v1	-	3	5	Read and understand a range of written texts independently (EL)	Int	
ESOL	US 31027 v1	-	3	5	Deliver a developed presentation on a familiar topic (EL)	Int	
ESOL	US 28068 v3	-	3	5	Write a connected text on a familiar topic (EL)	Int	

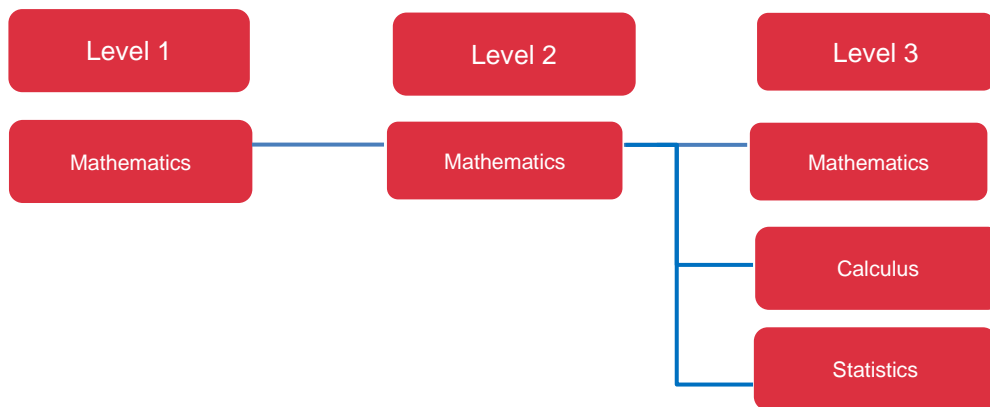
If you have not completed the corresponding Level 1 or 2 ESOL Unit Standards, there will be an opportunity to pass those assessments in preparation for Level 3.

Note: The available grades for US 30997, 31004, 31027 and 28068 are Achieved, Merit or Excellence

Mathematics

These courses will develop confidence and competence in Mathematics. Students will learn to solve problems using different mathematical methods. Mathematicians and Statisticians use symbols, graphs and diagrams to investigate, interpret and explain different situations.

For all levels of Mathematics, students will be placed in the most appropriate Mathematics course depending on their previous years' achievements.



Possible Careers

For example:

Accountant, Actuary, Aeronautical Engineer, Architect, Auditor, Bank Manager, Bank Worker, Carpenter, Cashier, Chemical Engineer, Civil Engineer, Database Administrator, Debt Collector, Demographer, Doctor, Draughtsperson, Economist, Electrical Engineer, Financial Planner, Financial Planner, Geographer, Industrial Engineer, Insurance Claims Officer, Insurance Loss Adjuster, Interior Designer, Joiner, Lawyer, Lighting Technician, Market Researcher, Mechanical Engineer, Mortgage Broker, Navigator, Nurse, Payroll Officer, Pharmacist, Physicist, Pilot, Programmer, Property Valuer, Quantity Surveyor, Radiologist, Scientist, Share Broker, Statistician, Survey Technician, Systems Analyst, Teacher, Tertiary Lecturer, Training Consultant, Underwriter, Valuer, Weather Forecaster

301 Mathematics

301MAT

Total Credits Available	16				
University Entrance Reading Credits	0				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> Achievement of 12 credits from 201 Mathematics or 202 Mathematics (achievement of AS91261 is also recommended) or HOD/Dean approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Credits towards University entrance 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
10	12	3	12	7	9

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Math & Stat 3.2	AS 91574 v2	-	3	3	Apply linear programming methods in solving problems	Int	
Math & Stat 3.4	AS 91576 v2	-	3	2	Use critical path analysis in solving problems	Int	
Math & Stat 3.15	AS 91587 v2	-	3	3	Apply systems of simultaneous equations in solving problems	Int	
Math & Stat 3.3	AS 91575 v2	-	3	4	Apply trigonometric methods in solving problems	Int	
Fin.	US 28100 v3	-	3	4	Develop a plan to achieve a long term personal financial goal	Int	
Optional							
Math & Stat 3.13	AS 91586 v2	-	3	4	Apply probability distributions in solving problems	Ex	

Course Endorsement available
(see page 7 for explanation)

301 Calculus

301CAL

Total Credits Available	21
University Entrance Reading Credits	0
University Entrance Writing Credits	0
Entry Requirements	<ul style="list-style-type: none"> 12 credits from Achievement Standards in 201 Mathematics which must include AS91261 or HOD/Dean approval. It is preferred that students also include AS91262
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Credits towards University Entrance
Course Contribution	<ul style="list-style-type: none"> Nil
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment
Vocational Pathways	
Manufacturing	Construction and Infrastructure
16	16
Creative Industries	Primary Industries
0	12
Service Industries	Social and Community
0	6

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Math & Stats 3.3	AS 91575 v2	-	3	4	Apply trigonometric methods in solving problems	Int	
Math & Stats 3.5	AS 91577 v2	-	3	5	Apply the algebra of complex numbers in solving problems	Ex	
Math & Stats 3.6	AS 91578 v2	-	3	6	Apply differentiation methods in solving problems	Ex	
Math & Stats 3.7	AS 91579 v2	-	3	6	Apply integration methods in solving problems	Ex	

NOTE: To obtain UE Numeracy 10 credits must be gained from either Mathematics Achievement Standards or Numeracy Unit standards. A combination of Unit and Achievement standards is not possible.

**Course
Endorsement
available**
(see page 7 for
explanation)

301 Statistics

301STS

Total Credits Available	20				
University Entrance Reading Credits	0				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> 12 Credits from Achievement Standards in 201 Mathematics which must include AS91261 and one of AS91267 or AS91264 Or HOD/Dean approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	4	20	12	16

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Unit	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Math & Stats 3.8	AS 91580 v2	-	3	4	Investigate time series data	Int	
Math & Stats 3.9	AS 91581 v2	-	3	4	Investigate bivariate measurement data	Int	
Math & Stats 3.10	AS 91582 v2	-	3	4	Use statistical methods to make a formal inference	Int	
Math & Stats 3.13	AS 91585 v2	-	3	4	Apply probability concepts in solving problems	Ex	
Math & Stats 3.14	AS 91586 v2	-	3	4	Apply probability distributions in solving problems	Ex	

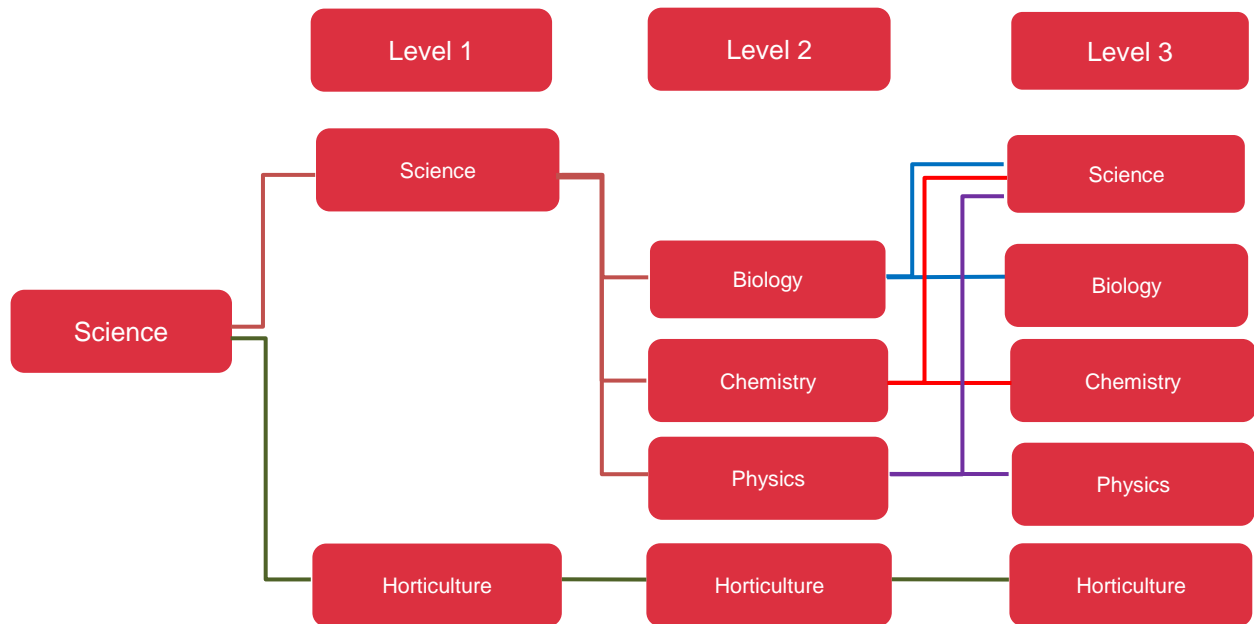
NOTE: To obtain UE Numeracy 10 credits must be gained from either Mathematics Achievement Standards or Numeracy Unit standards.
A combination of Unit and Achievement standards is not possible.

**Course
Endorsement
available**
(see page 7 for
explanation)

Science (includes Horticulture)

In Science you will investigate, learn how to understand and explain the natural and physical world. You will test ideas and gather evidence. You will use skills such as observation, investigating and communicating. Science allows you to develop scientific knowledge, understanding and to explain your processes.

Horticulture is the science of growing plants. You will learn how to grow, nurture and cultivate plants.



Possible Careers

For example:

Agricultural/Horticultural Scientist, Agriculture/Horticulture Consultant, Anaesthetist, Audiologist, Aviation, Beekeeper, Biomedical Engineer, Biomedical Technician, Biosecurity Officer, Cardiac Physiologist, Chemical Engineer, Civil Engineer, Clinical Coder, Computer programming, Dental Assistant, Dental Technician, Dentist, Diagnostic Radiologist, Dietitian, Engineering, Environmental Scientist, General Practitioner, Gynaecologist/Obstetrician, Health Promoter, Health Studies, Horticulture, Landscaping, Mechanical Engineer, Medical Laboratory Technician, Medical Radiation Technologist, Midwife, Mining Engineer, Naturopath, Nursery worker, Nursing, Occupational Therapist, Optometrist, Orchard work, Paramedic, Pathologist, Pest Control Technician, Pharmacy, Physician, Physiotherapist, Radiation Oncologist, Surgeon, Veterinary Science, Water/Wastewater Treatment Operator, Zookeeper

301 Biology

301BIO

Total Credits Available	22
University Entrance Reading Credits	22
University Entrance Writing Credits	19
Entry Requirements	<ul style="list-style-type: none"> 14 or more credits from Level 2 Biology with at least four from external papers
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Credits towards University Entrance
Course Contribution	<ul style="list-style-type: none"> Nil
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment
Vocational Pathways	
Manufacturing	Construction and Infrastructure
10	0
Creative Industries	Primary Industries
0	22
Service Industries	Social and Community
0	13

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Bio 3.2	AS 91602 v2	R/W	3	3	Integrate biological knowledge to develop an informed response to a socio-scientific issue	Int	
Bio 3.3	AS 91603 v2	R/W	3	5	Demonstrate understanding of the responses of plants and animals to their external environment	Ex	
Bio 3.4	AS 91604 v2	R	3	3	Demonstrate understanding of how an animal maintains a stable internal environment	Int	
Bio 3.5	AS 91605 v2	R/W	3	4	Demonstrate understanding of evolutionary processes leading to speciation	Ex	
Bio 3.6	AS 91606 v2	R/W	3	4	Demonstrate understanding of trends in human evolution	Ex	
Bio 3.7	AS 91607 v2	R	3	3	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	Int	

**Course
Endorsement
available**
(see page 7 for
explanation)

301 Chemistry

301CHE

Total Credits Available	23
University Entrance Reading Credits	3
University Entrance Writing Credits	7
Entry Requirements	<ul style="list-style-type: none"> HOD/Dean approval
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3
Course Contribution	<ul style="list-style-type: none"> Approximately \$10.00 for field trips
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment
Vocational Pathways	
Manufacturing	Construction and Infrastructure
23	23
Creative Industries	Primary Industries
0	23
Service Industries	Social and Community
5	23

Standards to be assessed will be selected from the following:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/ W	Level	Cr	Standard Title	Ex/ Int	VP
Chem 3.1	AS 91387 v2	W	3	4	Carry out an investigation in chemistry involving quantitative analysis	Int	
Chem 3.2	AS 91388 v2	-	3	3	Demonstrate understanding of spectroscopic data in chemistry	Int	
Chem 3.3	AS 91389 v2	R/ W	3	3	Demonstrate understanding of chemical processes in the world around us	Int	
Chem 3.4	AS 91390 v2	-	3	5	Demonstrate understanding of thermochemical principles and the properties of particles and substances	Ex	
Chem 3.5	AS 91391 v2	-	3	5	Demonstrate understanding of the properties of organic compounds	Ex	
Chem 3.7	AS 91393 v2	-	3	3	Demonstrate understanding of oxidation–reduction processes	Int	

Course Endorsement available
(see page 7 for explanation)

301 Physics

301PHY

Total Credits Available	26
University Entrance Reading Credits	3
University Entrance Writing Credits	0

Entry Requirements	<ul style="list-style-type: none"> HOD/Dean approval
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3
Course Contribution	<ul style="list-style-type: none"> Nil
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment

Vocational Pathways

Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
26	26	0	22	0	26

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Phys 3.1	AS 91521 v2	-	3	4	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	Int	
Phys 3.2	AS 91522 v2	-	3	3	Demonstrate understanding of the application of physics to a selected context	Int	
Phys 3.3	AS 91523 v2	-	3	4	Demonstrate understanding of wave systems	Ex	
Phys 3.4	AS 91524 v2	-	3	6	Demonstrate understanding of mechanical systems	Ex	
Phys 3.6	AS 91526 v2	-	3	6	Demonstrate understanding of electrical systems	Ex	
Phys 3.7	AS 91527 v2	R	3	3	Use physics knowledge to develop an informed response to a socio-scientific issue	Int	

Course Endorsement available
(see page 7 for explanation)

301 Science

301SCI

Total Credits Available	22
University Entrance Reading Credits	15
University Entrance Writing Credits	11

Entry Requirements	<ul style="list-style-type: none"> NCEA Level 2
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3
Course Contribution	<ul style="list-style-type: none"> Nil
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment

Vocational Pathways

Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
6	22	0	6	0	6

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Unit	Standard and Version	R/ W	Level	Cr	Standard Title	Ex/ Int	VP
Sci 3.1	AS 91410 v2	R/ W	3	4	Carry out an independent practical Earth and Space science investigation	Int	
Sci 3.2	AS 91411 v2	R/ W	3	4	Investigate a socio-scientific issue in an Earth and Space Science content	Int	
Sci 3.3	AS 91412 v2	-	3	4	Investigate the evidence related to dating geological events	Int	
Sci 3.6	AS 91415 v2	R	3	4	Investigate an aspect of astronomy	Int	
Chem 3.3	AS 91389 v2	R/ W	3	3	Demonstrate understanding of chemical processes in the world around us	Int	
Physics 3.2	AS 91522 v2	-	3	3	Demonstrate understanding of the application of Physics to a selected context	Int	





302 Horticulture

302HOR

Total Credits Available	19				
University Entrance Reading Credits	15				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> Open Entry 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	15	0	19	5	0

Standards to be assessed will be selected from the following:

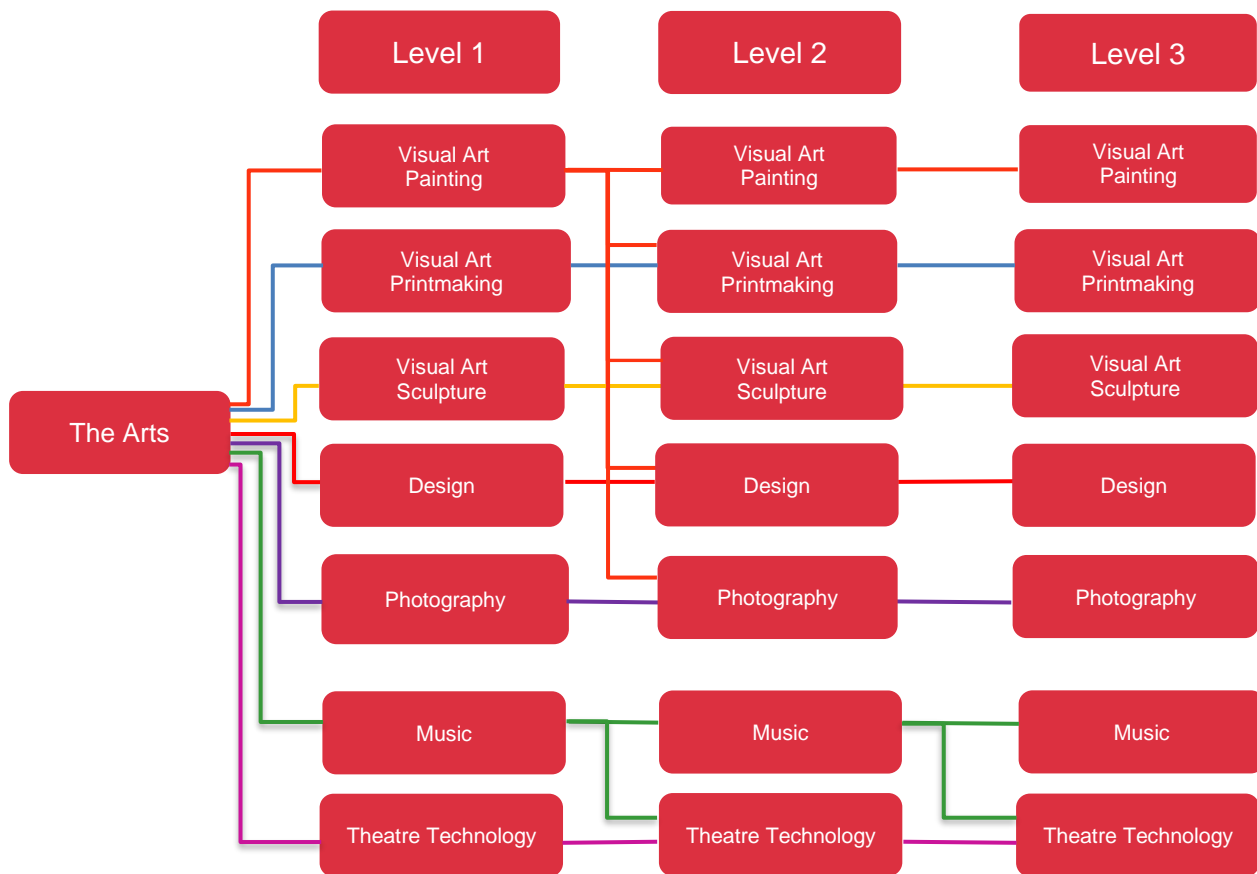
Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Edu For Sus 3.1	AS 90828 v3	R	3	6	Evaluate a personal action that contributes towards a sustainable future	Int	
Edu For Sus 3.5	AS 90832 v3	R	3	5	Develop a strategy for an organisation that will contribute to a sustainable future	Int	
Edu For Sus 3.2	AS 91735 v2	R	3	4	Evaluate measures that may be taken to sustain and/or improve a biophysical environment	Int	
Agr	US 581 v4	-	3	4	Dock and treat lambs	Int	

The Arts

(includes Visual Art, Design, Photography, Music and Theatre Technology)

The Arts includes all forms of expression or application of creativeness; these reflect the bicultural and multicultural character of Aotearoa New Zealand. This can be drawing, painting, sculpture, photography, design, printmaking, music and theatre. You will generate, develop and improve ideas in a body of work. The skills used in The Arts transform people's creative ideas through sound, image and movement into expressive works that communicate layered meanings.



Possible Careers

For example:

Actor, Advertising Specialist, Animator, Antique Dealer, Architect, Archivist, Arts and Culture Administrator, Art Director, Art Historian, Art Therapist, Artist, Auctioneer, Audio Engineering, Composition, Conservator, Curator, Digital Artist, Director (Film, TV, Radio), Entertainer, Exhibition Curator, Exhibition and Collections Technician, Exhibition/Events Organiser, Film/Video Editor, Film/Television Camera Operator, Florist, Graphic Designer, Heritage Officer, Historian, Industrial Designer, Instrument Making and Repair, Interior Designer, Jeweller, Journalist, Lighting Technician, Live Sound Work, Makeup Artist, Marketing Specialist, Media Producer, Museum Curator, Museum Educator, Musician, Music Industry jobs, Music Production, Music Publishing, Music Retail and Wholesale, Music Therapy, Performing, Photographer, Photographer's Assistant, Production Assistant (Film, Television, Radio, Stage), Producer, Radio and TV Presenter, Set/Screen Production, Sign Maker, Sound Technician, Tattoo Artist, Teacher, Teacher, Television Presenter, Tertiary Lecturer, Web Designer






301 Visual Art

301ART

Total Credits Available	30				
University Entrance Reading Credits	0				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> Achievement in 201 Art of AS 2.2, 2.3 and AS 2.4 or HOD approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 				
Course Contribution	<ul style="list-style-type: none"> \$30.00 for consumables for one of the following disciplines: painting, printmaking, sculpture, design – take home component \$80.00 for photography paper and external portfolio – take home component 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	30	0	4	0

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R / W	Level	Cr	Standard Title	Ex/Int	VP
Design Paint Photo Print Sculp 3.1	AS 91440 91441 91442 91443 91444 v2	-	3	4	Analyse methods and ideas from established design/painting/photography/printmaking/sculpture/design practice	Int	
Design Paint Photo Print Sculp 3.2	AS 91445 91446 91447 91448 91449 v2	-	3	4	Use drawing to demonstrate understanding of conventions appropriate to design/painting/photography/printmaking/sculpture/design practice	Int	
Design Paint Photo Print Sculp 3.3	AS 91450 91451 91452 91453 91454 v2	-	3	4	Systematically clarify ideas using drawing informed by established design/painting/photography/printmaking/sculpture/design practice	Int	
Design Paint Photo Print Sculp 3.4	AS 91455 91456 91457 91458 91459 v2	-	3	14	Produce a systematic body of work that integrates conventions and regenerates ideas within design/painting/photography/printmaking/sculpture/design practice	Ex	
Vis Art 3.5	AS 91460 v2	-	3	4	Produce a resolved work that demonstrates purposeful control of skills appropriate to visual arts cultural contexts	Int	

Course Endorsement available
(see page 7 for explanation)

301 Music

301MUS

Total Credits Available (Making Music)	20
Total Credits Available (Music Studies)	8
University Entrance Reading Credits	0
University Entrance Writing Credits	0

Entry Requirements	<ul style="list-style-type: none"> 201 Music You need to be able to perform in front of an audience
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Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3
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Course Contribution	<ul style="list-style-type: none"> Students will require headphones for this course \$5 photocopying if you are learning an instrument Students may have the opportunity to attend concerts which may incur a payment
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Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment
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Vocational Pathways

Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	28	0	0	0

Standards to be assessed will be selected from the following:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Making Music 3.1	AS 91416 v1	-	3	8	Perform two programmes of music as a featured soloist	Int	
Making Music 3.3	AS 91418 v1	-	3	4	Demonstrate ensemble skills by performing two substantial pieces as a member of a group	Int	
Music Studies 3.7	*AS 91422 v2	-	3	4	Analyse a substantial music work	Int	
Music Studies 3.8	AS 91423 v2	-	3	4	Examine the influence of context on a substantial music work	Ex	
Making Music 3.11	AS 91849 v1	-	3	8	Compose three original songs that express imaginative thinking	Int	

*May not apply to all students

Course Endorsement available
(see page 7 for explanation)

301 Theatre Technology

302TTE

Total Credits Available	39
University Entrance Reading Credits	0
University Entrance Writing Credits	0

Entry Requirements	•
Qualification	• Credits towards NCEA Level 3
Course Contribution	•
Next Step	• Tertiary study or employment

Vocational Pathways

Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	39	0	0	0

This course is mostly assessed through involvement in school performance events like major school music, dance and Māori Performing Arts showcases.

Students, with their teacher, will design an individual programme based on a selection of standards.

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Ent. & Event Tech	US 28007 v3	-	3	6	Select and apply a range of processes to enhance sound in a performance context	Int	
Ent. & Event Tech	US 28003 v3	-	3	6	Research, develop and apply a stage lighting design concept for a given work	Int	
Ent. & Event Tech	US 28008 v3	-	3	3	Apply set construction skills to meet a set design concept for a given work	Int	
Ent. & Event Tech	US 28006 v3	-	3	6	Research, develop and visually communicate a set design concept for a given work	Int	
Ent. & Event Tech	US 28002 v2	-	3	6	Research, develop and visually communicate a costume design concept for a given work	Int	
Ent. & Event Tech	US 28004 v3		3	6	Research, develop, visually communicate and apply a makeup design concept for a given work	Int	
Ent. & Event Tech	US 28005 v3		3	6	Stage manage a production	Int	

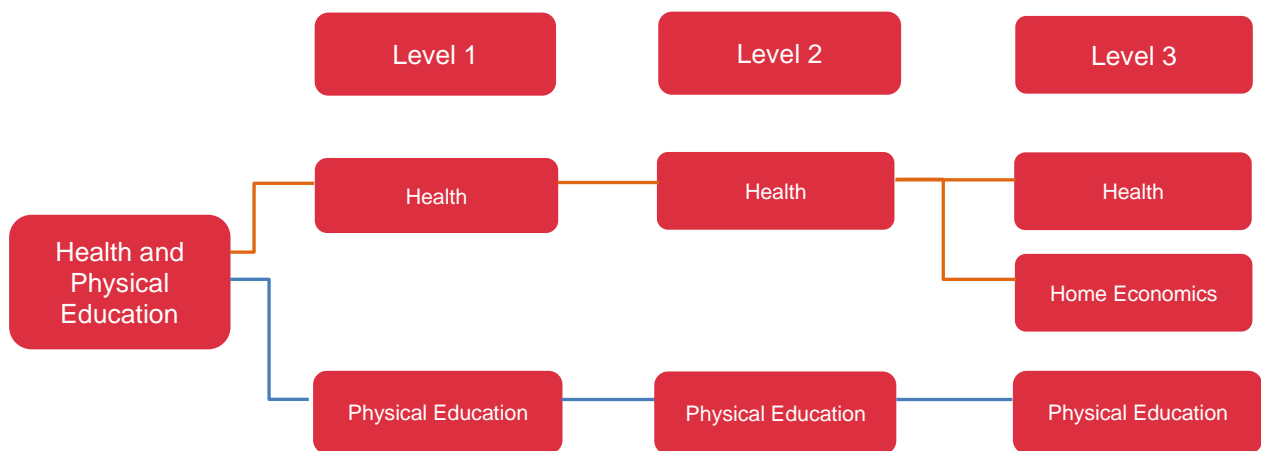
Course Endorsement available
(see page 7 for explanation)

Health and Physical Education

Health and Physical Education gives you the opportunity to study aspects of personal and community-wide wellbeing. You will be able to develop the knowledge, values and skills to live a healthy, active life.

In Health you will learn strategies to support wellbeing. Health related contexts will be used to consider personal well-being and sustainable health-enhancing change in communities. Health also explores Hauora, health promotion, attitudes and values and socio-ecological perspectives.

In Physical Education you will develop an understanding of the function of the body in physical activity. The learning is based around teamwork, strategies and participation. Students can then reflect on the rate and significance of physical activity for self, others and society.



Possible Careers

For example:

Acupuncturist, Anaesthetic Technician, Anaesthetist, Chiropractor, Clinical Coder, Community Work, Community Karitane, Counsellor, Defence Forces, Dentist, Dental Technician, Dietitian, Doctor, Environmental/Public Health Officer, Fitness and Leisure related employment, Fitness Industry, General Practitioner, Gynaecologist/Obstetrician, Health Promotion, Health Service Manager, Health and Safety Adviser/Inspector, Massage Therapist, Medical Laboratory Technician, Medical Radiation Technologist, Midwife, Naturopath, Nursing, Nursing Support and Care Worker, Occupational Therapist, Oral Health Therapist, Osteopath, Outdoor Education, Paramedic, Pathologist, Personal Training, Pharmacist, Physiotherapy, Podiatrist, Professional Sport Coaching, Professional Sportsperson, Psychiatrist, Psychologist, Recreation Co-ordinator, Registered Nurse, Regional and National Sporting Bodies, Social Worker, Speech-Language Therapist, Sport Development, Sport Studies, Sterilising Technician, Surgeon, Teacher, Youth Worker

301 Health

301HED

Total Credits Available	19
University Entrance Reading Credits	19
University Entrance Writing Credits	5
Entry Requirements	<ul style="list-style-type: none"> Achievement of 12 credits in 201 Health or HOD/Dean approval
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Credits towards University Entrance
Course Contribution	<ul style="list-style-type: none"> Nil
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment

Vocational Pathways

Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	0	14	19	19

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Health 3.1	AS 91461 v2	R	3	5	Analyse a New Zealand health issue	Int	
Health 3.2	AS 91462 v2	R/W	3	5	Analyse an international health issue	Ex	
Health 3.3	AS 91463 v2	R	3	5	Evaluate health practices currently used in New Zealand	Int	
Health 3.4	AS 91464 v2	R	3	4	Analyse a contemporary ethical issue in relation to well-being	Int	

**Course
Endorsement
available**
(see page 7 for
explanation)





301 Home Economics

301HEC

Total Credits Available	19				
University Entrance Reading Credits	10				
University Entrance Writing Credits	4				
Entry Requirements	<ul style="list-style-type: none"> Achievement of 10 credits from 201 Home Economics or HOD/Dean approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Credits towards University Entrance 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	0	5	19	19

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Home Ec 3.1	AS 91466 v1	R	3	5	Investigate a nutritional issue affecting the well-being of New Zealand society	Int	
Home Ec 3.2	AS 91467 v1	-	3	5	Implement an action plan to address a nutritional issue affecting the well-being of New Zealand society	Int	
Home Ec 3.4	AS 91469 v1	R	3	5	Investigate the influence of multinational food corporations on eating patterns in New Zealand	Int	
Home Ec 3.6	AS 91471	W	3	4	Analyse the influences of food advertising on well-being	Ex	

**Course
Endorsement
available**
(see page 7 for
explanation)

301 Physical Education

301PED

Total Credits Available	19				
University Entrance Reading Credits	4				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> 14 Credits from 201 Physical Education or HOD/Dean approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	8	0	19	15

Standards to be assessed:

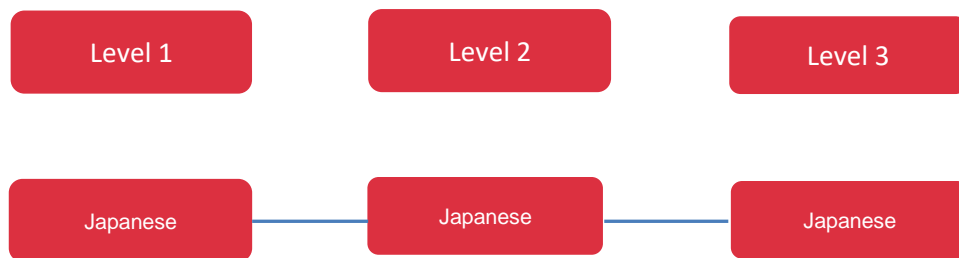
Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Phys Ed 3.1	AS 91498 v2	-	3	4	Evaluate physical activity experiences to devise strategies for lifelong well-being	Int	
Phys Ed 3.3	AS 91500	-	3	4	Evaluate the effectiveness of a performance improvement programme	Int	
Phys Ed 3.4	AS 91501 v2	-	3	4	Demonstrate quality performance of a physical activity in an applied setting	Int	
Phys Ed 3.5	AS 91502 v2	R	3	4	Examine a physical activity, trend or issue and its impact on New Zealand Society	Int	
Phys Ed 3.7	AS 91504 v2	-	3	3	Analyse issues in safety management for outdoor activity to devise safety management strategies	Int	

Course Endorsement available
(see page 7 for explanation)

Languages

Languages are a system of communication consisting of a set of sounds and written symbols used by different cultures and communities. They are linked to the social and cultural contexts in which they are used. Languages and cultures play a key role in developing our personal, group, national, and human identities. Every language has its own way of expressing meanings; each has an essential value and a special significance for its users. As you move through the levels there are opportunities to expand your knowledge in written and spoken language. You will learn skills such as listening and comprehension, creative writing, speeches, language structure and vocabulary.



Possible Careers

For example:

Accounting Manager, Business Manager, Caregiver, Communications Professional, Customer Service Manager, ESOL Teacher, Events Manager, Export Analyst, Project Manager, Financial Aid Specialist, Flight Attendant, Foreign Language Teacher, Foreign Policy Officer, Historian, Human Resource Manager, Immigration or Customs Officer, Importer/Exporter, Interpreter, IT Systems Analyst, Media Analyst, Medical Translations Project Manager, Nurse, Paralegal, Psychologist, Social Worker, Speech-Language Therapist, Teacher, Technical Support Engineer, Tour Guide, Trainee Recruitment Consultant, Translator, Youth or Community Worker





301 Japanese

301

Total Credits Available	18
University Entrance Reading Credits	0
University Entrance Writing Credits	0
Entry Requirements	<ul style="list-style-type: none"> Achievement of 10 credits in 201JPN Students wishing to begin learning Japanese should consider Year 10 Japanese or see the HOD of Languages – Level 1 credits may be attainable
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3
Course Contribution	<ul style="list-style-type: none"> \$15 Language Perfect (optional)
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment
Vocational Pathways	
Manufacturing	Construction and Infrastructure
0	0
Creative Industries	Primary Industries
0	0
Service Industries	Social and Community
10	0

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Jap 3.1	AS 91553 v2	-	3	5	Demonstrate understanding of a variety of extended spoken Japanese texts	Ext	
Jap 3.2	AS 91554 v1	-	3	3	Give a clear spoken presentation in Japanese that communicates a critical response to stimulus material	Int	
Jap 3.4	AS 91556 v1	-	3	5	Demonstrate understanding of a variety of extended written and/or visual Japanese texts	Ext	
Jap 3.5	AS 91557 v1	-	3	5	Write a variety of text types in clear Japanese to explore and justify varied ideas and perspectives	Int	

**Course
Endorsement
available**
(see page 7 for
explanation)

Māori

(includes Te Reo, Tikanga and Māori Performing Arts)

Languages are a system of communication which consists of a set of sounds and written symbols used by different cultures and communities.

Tikanga has a wide range of meanings – culture, custom, ethic, etiquette, fashion, formality, lore, manner, meaning, mechanism, method, protocol and style. It can be described as general behaviour guidelines for daily life and interaction in Māori culture.

Māori Performing Arts offers a range of skills and knowledge of the disciplines. You are encouraged to join our Kapa Haka group to perform.



Possible Careers

For example:

Actor, Air Force Officer, Air Traffic Controller, Army Officer, Archivist, Barrister, Clinical Coder, Communications Professional, Conservator, Customs/Freight Broker, Dancer, Data Entry, Diplomat, Director (Film, Television, Radio, Stage), Entertainer, Events Manager, Editor, Elected Government Representative, Film and Video Editor, Foreign Policy Office, Historian, Hotel/Motel Manager, Human Resources Generalist, Immigration Officer, Intelligence Officer, Journalist, Judge, Kaiwhakaako Māori, Kaiwhakawhiti Reo ā-Tuhi (Translator), Kaiwhakawhiti ā-Waha (Interpreter), Lawyer, Legal Executive, Lexicographer, Library Assistant, Librarian, Management Consultant, Market Research Analyst, Marketing Specialist, Musician, Navy Officer, Navy Sailor, Policy Analyst, Police Officer, Public Relations Professional, Publicist, Radio Presenter, Recruiting Manager, Television Presenter, Tertiary Lecturer, Tour Guide, Trainer, Translator, Travel Agent/Adviser, Workplace Relations Adviser






301 Te Reo Māori

301TRM

Total Credits Available	22/28				
University Entrance Reading Credits	6				
University Entrance Writing Credits	6				
Entry Requirements	<ul style="list-style-type: none"> At least 18 credits from Level 2 Te Reo Māori Students arriving from a Runaki or Kura Kaupapa environment must have HOD/Dean approval Under 18 credits must be discussed with HOD/Dean 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
22	22	22	22	22	22

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Te Reo 3.1	AS 91650 v2	-	3	4	Whakarongo kia mōhio ki te reo Māori o te ao whānui	Int	
Te Reo 3.2	AS 91651 v2	-	3	6	Kōrero kia whakamahi i te reo Māori o te ao whānui	Int	
Te Reo 3.3	AS 91652 v2	R	3	6	Pānui kia mōhio ki te reo Māori o te ao whānui	Ex	
Te Reo 3.4	AS 91653 v2	W	3	6	Tuhi i te reo Māori o te ao whānui	Ex	
Optional							
Te Reo 3.5	AS 91654 v2	-	3	6	Waihanga tuhinga whai take i te reo Māori o te ao whānui (optional)	Int	

NOTE: To obtain UE Literacy (from Te Reo Māori) students must

- attain 5 credits in Reading from Level 2 AS 91286 or Level 3 AS 91652
- attain 5 credits in Writing from Level 2 AS 91287, AS 91288 or Level 3 AS 91653

**Course
Endorsement
available**
(see page 7 for
explanation)

302 Māori Performing Arts

301MPA

Total Credits Available	22
University Entrance Reading Credits	0
University Entrance Writing Credits	0
Entry Requirements	<ul style="list-style-type: none"> Achievement of 12 credits in 202 Māori Performing Arts
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3
Course Contribution	<ul style="list-style-type: none"> Approximately \$40 for optional entry into competitions and/or concerts which may incur entry fees
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment
Vocational Pathways	
Manufacturing	Construction and Infrastructure
0	0
Creative Industries	Primary Industries
0	0
Service Industries	Social and Community
0	0

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Māori Perf Art	US 15020 v6	-	3	6	Perform whakaraka	Int	
Māori Perf Art	US 22756 v5	-	3	10	Perform a Māori performing arts bracket	Int	
Māori Perf Art	US 22757 v5	-	3	6	Demonstrate knowledge of influencing factors in the historical development of Māori performing arts	Int	

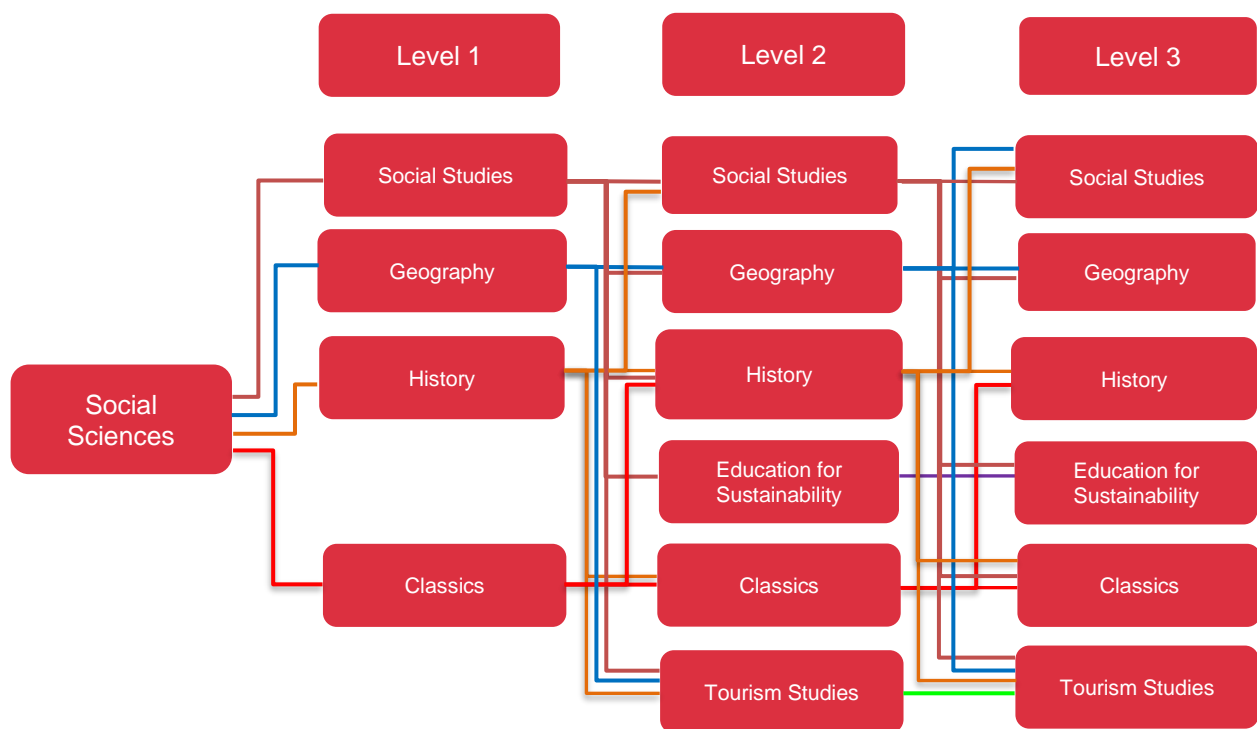
Note: The available grades for these units are Achieved, Merit or Excellence

Social Sciences

(includes Social Studies, Geography, History, Classics and Tourism Studies)

Social Sciences are about learning how societies work and how people participate within those societies. You will be able to acquire skills such as: research, handling data, writing reports, questioning, make informed decisions, communicating and be socially, politically and environmentally aware. Social Sciences can be explored through social science, history, geography or classical studies.

The Tourism course works towards the New Zealand Certificate in Tourism. You will study the tourism business, the impact of the tourism industry, research tourist attractions in New Zealand and throughout the world, and the roles and skills required in the tourism industry.



Possible Careers

For example:

Academic Librarian, Airlines, Airport, Archaeologist, Archivist, Author, Biosecurity Officer, Broadcast Journalist, Cartographer, Conferencing and Events, Conservation Officer, Curator, Economist, Environmental Consultant, Ferries and Cruise Ships, Flight Attendants (Cabin Crew), Geographical Information Systems Officer, Heritage Manager, Historian, Hotels, Human Resource Advisor, International Aid/Development Worker, Landscape Architect, Librarian, Market Researcher, Museum Education, Museum/Gallery Curator, Policy Analyst, Politician's Assistant, Resorts, Social Researcher, Statistician, Surveyor, Teacher, Tour Guides, Tourism Operators, Transport Planner, Travel Agencies

301 Social Studies

301SST

Total Credits Available	24				
University Entrance Reading Credits	14				
University Entrance Writing Credits	8				
Entry Requirements	<ul style="list-style-type: none"> Level 2 Literacy and Numeracy Level 2 Social Studies Or HOD/Dean approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Credits towards University Entrance Literacy Credits towards University Entrance 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	24	8	18	24

Students will explore how other people view themselves through a variety of contexts and settings. Independent learning is encouraged.

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Unit	Standard and Version	R/ W	Level	Cr	Standard Title	Ex/ Int	VP
Social Studies 3.1	AS 91596 v2	R/ W	3	4	Demonstrate understanding of ideological responses to an issue	Ex	
Social Studies 3.2	AS 91597 v2	R	3	6	Conduct a critical social inquiry	Int	
Social Studies 3.3	AS 91598 v2	R/ W	3	4	Demonstrate understanding of how ideologies shape society	Ex	
Social Studies 3.4	AS 91599 v2	-	3	6	Examine personal involvement in a social action(s) that aims to influence policy change(s)	Int	
Social Studies 3.5	AS 91600 v2	-	3	4	Examine a campaign of social action(s) to influence policy change(s)	Int	

Course Endorsement available
(see page 7 for explanation)

301 Geography

301GEO

Total Credits Available	20				
University Entrance Reading Credits	14				
University Entrance Writing Credits	8				
Entry Requirements	<ul style="list-style-type: none"> NCEA Level 2, one Level 2 Social Studies course or HOD/Dean approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Credits towards University Entrance 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	6	10	20	3

Students will explore how other people view themselves through a variety of contexts and settings. Independent learning is encouraged.

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/ W	Level	Cr	Standard Title	Ex/ Int	VP
Geo 3.1	AS 91426 v2	R/ W	3	4	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment	Ex	
Geo 3.2	AS 91427 v2	R/ W	3	4	Demonstrate understanding of how a cultural process shapes geographic environment(s)	Ex	
Geo 3.3	AS 91428 v2	R	3	3	Analyse a significant contemporary event from a geographic perspective	Int	
Geo 3.6	AS 91431 v2	R	3	3	Analyse aspects of a contemporary geographic issue	Int	
Geo 3.7	AS 91432 v2	-	3	3	Analyse aspects of a geographic topic at a global scale	Int	
Geo 3.8	AS 91433 v2	-	3	3	Apply spatial analysis, with consultation, to solve a geographic problem	Int	

Course Endorsement available
(see page 7 for explanation)

301 History

301HIS

Total Credits Available	21				
University Entrance Reading Credits	21				
University Entrance Writing Credits	6				
Entry Requirements	<ul style="list-style-type: none"> Achievement of 12 credits, with at least four credits gained from AS 90467, AS 90469 or AS 90470 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 Credits towards University Entrance 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	10	14	10	0

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Hist 3.1	AS 91434 v2	R	3	5	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	Int	
Hist 3.2	AS 91435 v2	R	3	5	Analyse an historical event, or place, of significance to New Zealanders	Int	
Hist 3.3	AS 91436 v2	R/W	3	4	Analyse evidence relating to an historical event of significance to New Zealanders	Ex	
Hist 3.4	AS 91437 v2	R	3	5	Analyse different perspectives of a contested event of significance to New Zealanders	Int	
Hist 3.5	AS 91438 v2	R/W	3	6	Analyse the causes and consequences of a significant historical event	Ex	
Hist 3.6	AS 91439 v2	R/W	3	6	Analyse a significant historical trend and the force(s) that influenced it	Ex	

Course Endorsement available
(see page 7 for explanation)

301 Education for Sustainability






301EDS

Total Credits Available	24				
University Entrance Reading Credits	24				
University Entrance Writing Credits	9				
Entry Requirements	<ul style="list-style-type: none"> Level 2 Literacy and Numeracy, one Level 2 Social Studies course or HOD/Dean approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	24	0	24	14	0

Students will explore how other people view themselves through a variety of contexts and settings. Independent learning is encouraged.

Standards to be assessed:

Standards marked with **L** or **N** meet the NCEA Level 1 requirements for Literacy (L) and Numeracy (N)

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Educ For Sust 3.1	AS 90828 v3	R	3	6	Evaluate a personal action that contributes toward a sustainable future	Int	
Educ For Sust 3.2	AS 91735 v2	R	3	4	Evaluate measures that may be taken to sustain and/or improve a biophysical environment	Int	
Educ For Sust 3.3	AS 91736 v2	R/W	3	4	Analyse how different worldviews, and the values and practices associated with them, impact on sustainability	Ex	
Educ For Sust 3.4	AS 90831 v3	R/W	3	5	Analyse the impact that policies have on a sustainable future	Ex	
Educ For Sust 3.5	AS 90832 v3	R	3	5	Develop a strategy for an organisation that will contribute to a sustainable future	Int	

Course Endorsement available
(see page 7 for explanation)

301 Classical Studies

301CLS

Total Credits Available	20
University Entrance Reading Credits	20
University Entrance Writing Credits	14
Entry Requirements	<ul style="list-style-type: none"> Achievement of 12 credits in 201 English, 201 Social Studies, 201 History or HOD/Dean approval.
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3
Course Contribution	<ul style="list-style-type: none"> Nil
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment
Vocational Pathways	
Manufacturing	Construction and Infrastructure
0	0
Creative Industries	Primary Industries
26	0
Service Industries	Social and Community
0	0

At Level 3 students can select a learning programme from within Social Studies, Geography, Classics, Education for Sustainability and History. Students will explore how other people view themselves through a variety of contexts and settings. Independent learning is encouraged.

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Class. Studies 3.1	91394 v2	R/W	3	4	Analyse ideas and values of the classical world	EX	
Class. Studies 3.2	91395 v2	R/W	3	4	Analyse the significance of a work(s) of art in the classical world	Ex	
Class. Studies 3.4	91397 v2	R	3	6	Demonstrate understanding of significant ideology(ies) in the classical world	Int	
Class. Studies 3.5	91398 v2	R	3	6	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	Int	

Course Endorsement available
(see page 7 for explanation)

302 Tourism

302TOU

Total Credits Available – Tourism	23
Total Credits Available – Māori Tourism	21
University Entrance Reading Credits	0
University Entrance Writing Credits	0

Entry Requirements • 17 credits from 202 Tourism or HOD/Dean approval

Qualification • Credits towards NCEA Level 3
• Credits towards National Certificate in Tourism (Introductory Skills) Level 2

Course Contribution • Costs may occur for optional Field Trip

Next Step • **Tertiary Study or Employment**

Vocational Pathways

Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	0	0	0	0

Standards to be assessed:

Standards marked with R (Reading) and/or W (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Tou	US 3727 v9	-	3	5	Demonstrate knowledge of the Pacific Islands as tourist destinations	Int	
Tou	US 18211 v5	-	3	5	Demonstrate knowledge of Australia as a tourist destination	Int	
Tou	US 18228 v3	-	3	8	Demonstrate knowledge of specific New Zealand regions as tourist destinations	Int	
Tou	US 24733 v2	-	3	5	Describe and promote a New Zealand tourist destination	Int	
Tou Māori	US 17384 v7	-	3	3	List and use a range of Te Reo Māori greetings and farewells in tourism	Int	
Tou Māori	US 17786 v7	-	3	5	Explain the importance of respecting Māori customs and practise in a tourism Māori context	Int	
Tou Māori	US 17788 v7	-	3	5	Identify and explain the history of natural attractions and significant sites in tourism Māori	Int	
Tou Māori	US 17791 v7		3	5	Identify and explain kaitiaki practices in tourism Māori	Int	
Tou Māori	US 17383 v7	-	3	3	Explain the importance and demonstrate correct pronunciation of Māori place names in tourism	Int	

NOTE: To gain the National Certificate in Tourism and Travel you will need to have the Level 2 Unit Standards in Tourism.

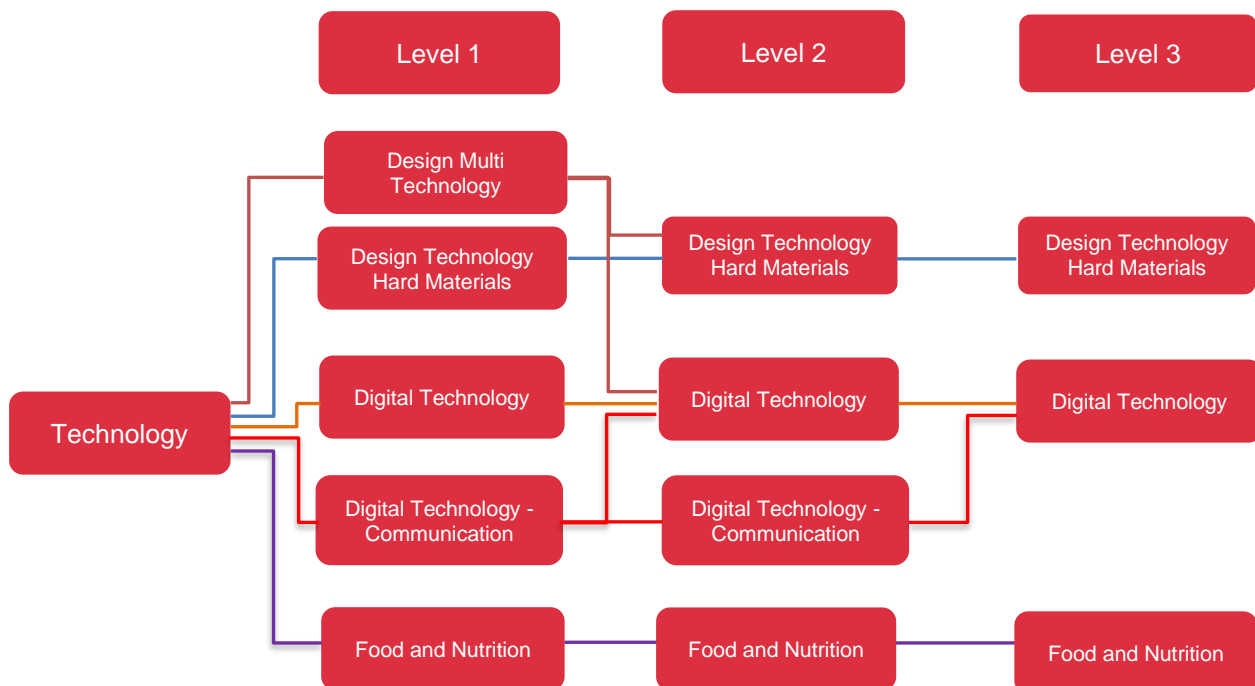
Year 13 students may enter and study the Level 3 papers without having completed Level 2.

Technology

(includes Multi Technology, Hard Materials, Digital and Food and Nutrition)

In Technology students develop outcomes in a variety of contexts. Students gain skills, knowledge and understanding of the technology that shapes our lives. They are encouraged to be innovative, reflective and critical no matter what area of technology they are studying. The aim is for students to be well equipped to participate in society as informed citizens and provide a platform for technology-related careers.

Multi-Tech and Hard Materials have the development of 3-dimensional (3D) outcomes using both traditional wood and metalwork machinery through to the modern tools of laser cutters and 3D printers. Digital technology focuses on computer graphic design and programming. Food and Nutrition teaches the culinary and nutritional skills that will set the students up for their future lives.



Possible Careers

For example:

Aeronautical Engineer, Aircraft Maintenance Engineer, Animator, Automotive Electrician, Automotive Refinisher, Automotive Technician, Barista, Bar Tender, Boiler Attendant, Brick Layer, Builder, Building and Construction Labourer, Building and Construction Manager, Building Contractor, Building Insulator, Building Surveyor, Cabinet Maker, Cabinet Maker, CAD operator, Café Worker, Café/Restaurant Manager, Carpenter, Chemical Engineer, Chef, Civil Engineer Technician/Draughtsperson, Civil Engineer, Coachbuilder/Trimmer, Cook, Collision Repair Technician, Computer Science, Concrete Worker, Crane Operator, Data Entry, Earthmoving Machine Operator, Electrical Engineer, Electrical Engineering Technician, Electrician, Electronics Trades Worker, Engineer, Engineering Machinist, Environmental Engineer, Fabrication Engineer, Fencer, Floor and Wall Tiler, Floor Covering Installer, Food Science Technician, Game Developer, Glazier, Industrial Designer, Industrial Spray Painter, Information Technology Architect, Information Technology Helpdesk/Support Technician, Joiner, Kitchen Hand, Lift Technician, Locksmith, Marine Engineer, Mechanical Engineer, Mechanical Engineering Technician, Motor Vehicle Salesperson, Network Administrator, Nutritionist, Painter and Decorator, Plasterer, Plumbing, Gasfitter and Drainlayer, Printer, Quantity Surveyor, Refrigeration/Air-Conditioning Technician, Roading Construction Worker, Roadmarker, Roofer, Saw Doctor, Scaffolder, Software Developer, Surveyor, Systems Administrator, Toolmaker, Tyre Technician, Vehicle Groomer/Cleaner, Waiter/Waitress, Web Developer, Welder


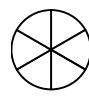
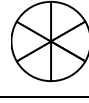

302 Design Technology - Hard Materials 302DTH

Total Credits Available	25				
University Entrance Reading Credits	0				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> Achievement of 12 credits in 202 Design Technology - Hard Materials or HOD/Dean approval 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 				
Course Contribution	<ul style="list-style-type: none"> \$120 towards the cost of set projects and consumables (take home component). Individual projects may incur additional costs depending on the scale of the project 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
6	6	6	0	0	0

Students work on a major project related to the construction environment which covers the practical skills and the related theory of materials and processes currently in use in the industry.

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Tech	AS 91620 v3		3	6	Implement complex procedures to integrate parts using resistant materials to make a specified product	Int	
BCAT	US 29677 v1		3	2	Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment	Int	
BCAT	US 29680 v1		3	5	Communicate and work collaboratively in a Stage 3 BCATS project	Int	
BCAT	US 29684 v1		3	12	Undertake a Stage 3 BCATS project	Int	

Must be an independent worker – this course is not for everyone

Note: By signing up to this course students are agreeing to follow all Health and Safety rules of the Hard Materials Workspace.

- Never wear loose clothing, including loose sleeves, ties, or scarves, when working with machinery
- Tie back and cover long hair.
- Wear fully enclosed footwear, not sandals, jandals, or open-toed shoes.
- Remove rings, and all loose jewellery.
- Use protective clothing, safety glasses, or noise protection as required

Failure to follow these rules means the student may not participate in practical assessments, so will be unable to complete the course.

301 Digital Technologies




301DGT

Total Credits Available	16				
University Entrance Reading Credits	0				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> 12 credits in a technology learning area or HOD/Dean approval Students will require headphones for this course 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 				
Course Contribution	<ul style="list-style-type: none"> Nil 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
16	12	16	12	4	0

At Level 3 students undertake a digital project. They create their own theme and decide the areas they would like to further develop, whether that be graphic design, filmmaker, online media, animation etc. The project content, outcomes and expectations are negotiated and agreed with the HOD.

Standards to be assessed:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/ W	Level	Cr	Standard Title	Ex/ Int	VP
Gen Tech 3.3	AS 91610 v3	-	3	6	Develop a conceptual design considering fitness for purpose in the broadest sense	Int	
Gen Tech 3.4	AS 91611 v3	-	3	6	Develop a prototype considering fitness for purpose in the broadest sense	Int	
Digi Tech 3.43	AS 91635 v4	-	3	4	Implement complex procedures to produce a specified digital media outcome	Int	

302 Food and Nutrition

302 FAN

Total Credits Available	17 (21)				
University Entrance Reading Credits	0				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> US167, 202 Food and Nutrition, or interview with teacher to gauge skill level, interest and commitment to the subject 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Level 3 				
Course Contribution	<ul style="list-style-type: none"> \$30.00 per term (for three terms) for 'take home' component (ingredients) 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	0	0	0 (4)	0

This course is yet to be confirmed

Standards to be assessed:

Standards marked with R (Reading) and/or W (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Food	US 168 v4	-	3	4	Demonstrate knowledge of food contamination hazards, and control methods used in a food business	Int	
Cook	US 13282 v3	-	3	2	Prepare, assemble and present complex sandwiches for service in a commercial kitchen	Int	
Food	US 17284 v6	-	3	3	Demonstrate knowledge of coffee origin and production	Int	
Food	US 18497 v7	-	3	8	Demonstrate knowledge of culinary products, terms and food preparation methods	Int	
<p>If students have not passed US 167 (covered in Year 11) it must be completed in their own time by the end of the term they enter the Food and Nutrition course – support and resources will be provided. If this Unit Standard is not completed the student can not continue with 202 Food and Nutrition.</p>							
Food	US 167 v8	-	2	4	Practice food safety methods in a food business under supervision	Int	

If students have not passed US 167 (covered in Year 11) it must be completed in their own time by the end of the term they enter the Food and Nutrition course – support and resources will be provided.

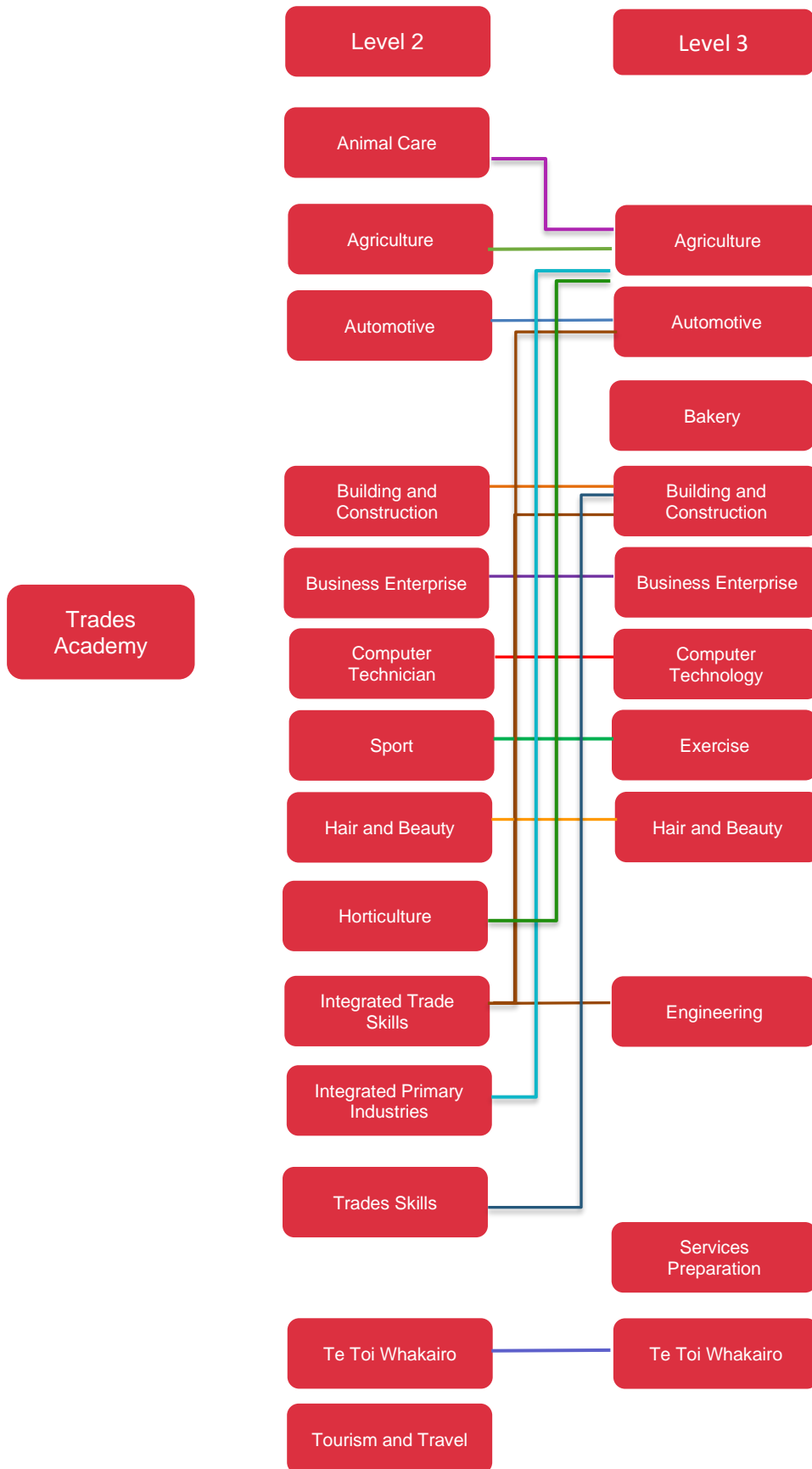
If this Unit Standard is not completed the student can not continue with 302 Food and Nutrition.

Note: By signing up to this course students are agreeing to follow all Health and Safety rules of the kitchen

- short, clean nails, **no** nail polish, false or gel nails
- **no** jewellery
- hair tied back off the face
- Fully enclosed shoes

Failure to follow these rules means the student may not participate in practical assessments, so will be unable to complete the course.

Trades Academy and Gateway



Possible Careers

Almost any career that requires practical skills

202/302 Trades Academy

202/302TRA

Total Credits Available (approximately)	24
University Entrance Reading Credits	0
University Entrance Writing Credits	0
Entry Requirements	<ul style="list-style-type: none"> • 80% attendance or better or HOD/Dean approval and • Application • Interview with Caregivers
Qualification	<ul style="list-style-type: none"> • Credits towards NCEA Level 2 and 3
Course Contribution	<ul style="list-style-type: none"> • Nil
Next Step	<ul style="list-style-type: none"> • 302 Gateway
Requirement for Level 3 Entry	<ul style="list-style-type: none"> • Nil

Vocational Pathways

Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
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Credits attained depend on the course selected

Possible Trades Academy Courses in 2020

Agriculture Level 2 and 3	Hair and Beauty Level 2 and 3
Animal Care Level 2	Horticulture Level 2
Automotive Level 2 and 3	Integrated Primary Industry Skills Level 2 (Trees, bees and a few sheep)
Bakery Level 3	Integrated Trade Skills Level 2 (Automotive, Engineering and Building)
Building and Construction Level 2 and 3	Services Preparation Level 3
Business Enterprise Level 2 and 3	Sport Level 2
Computer Technician Level 2	Trade Skills Level 2
Computer Technology Level 3	Toi Whakairo
Engineering Level 3	
Exercise Level 3	

Students attend EIT each Friday for most courses (apart from Building and Construction Level 3 which is Wednesday and Thursday, Automotive Level 3 on a Thursday) to study their chosen programme. Courses will consist of both theory and practical work as appropriate to the course.

As students will not be at school on these days, there is a requirement that they will catch up any work missed in their other subjects, whether in their own time or in their Trades Academy in-school classes.

302 Gateway

302GTW

Total Credits Available	Up to 24				
University Entrance Reading Credits	0				
University Entrance Writing Credits	0				
Entry Requirements	<ul style="list-style-type: none"> Gateway is open to any Year 13 student. Year 12 students who believe they need to build a work record and gain industry qualifications can pick Gateway as a 7th option choice. They will be interviewed, with their parents and may then be offered a place 				
Qualification	<ul style="list-style-type: none"> Credits towards NCEA Gain qualifications towards an industry qualification 				
Course Contribution	<ul style="list-style-type: none"> Nil but students must be prepared to catch up missed class work because of time out of school 				
Next Step	<ul style="list-style-type: none"> Tertiary Study or Employment or possibly a return to school 				
Vocational Pathways					
Manufacturing	Construction and Infrastructure	Creative Industries	Primary Industries	Service Industries	Social and Community
0	0	0	0	0	0

Standards to be assessed will be chosen from:

Standards marked with **R** (Reading) and/or **W** (Writing) meet the requirements for University Entrance Literacy

Sub Ref	Standard and Version	R/W	Level	Cr	Standard Title	Ex/Int	VP
Gate	US 1312 v5	-	3	3	Give oral instructions in the workplace	Int	
Gate	US 4251 v5	-	3	2	Manage own career development	Int	
Health	US 6400 v5	-	3	2	Manage first aid in emergency situations	Int	
Health	US 6401 v5	-	2	1	Provide first aid	Int	
Health	US 6402 v7	-	1	1	Provide resuscitation level 2	Int	

Gateway is a programme designed for the individual. It involves time in a workplace and the study of units associated with that workplace.

This programme is ideal for those who wish to train by apprenticeship as it gives an opportunity for a student and an employer to see if they suit one another.

Learning programmes vary according to the industry area. For example, Carpentry has 20 Level 3 credits available while other industry areas may have fewer. While we do our best, not all industry areas can be accommodated. For any questions please see Mrs Morgan.

Final Advice

Organisation for the 2020 timetable starts now and we need to know as accurately as possible what you are going to do next year; leave school or come back to school. If you are coming back then we need to know the subjects you want to take.

At this stage we are offering the full range of subjects. **Choose wisely as your choices determine which classes will finally be offered.**

Read the information in the Course Booklet very carefully, then:

- discuss it with your caregivers
- discuss it with your teacher, particularly your Dean
- discuss it with your Whanau Group Teacher
- discuss it with your Careers advisor
- and discuss it with the Heads of Departments and Teachers in Charge

Take **every** chance to ensure you make a satisfactory choice at this stage. Listen to your teachers' advice carefully as they know your capabilities.

Focus on our skills and your future

Opt for subjects you would like to do

Consult your caregivers, Teachers, Dean and Careers Advisor

Use the information your House Group Teacher has to help you make your choices

Study hard for your NCEA exams