

Otamatea High School Course Directory - 2017



Introduction

Students entering the senior school these days are confronted with a bewildering array of choices. As they progress, choice becomes even more complicated with the ability to study at different levels. Entry requirements for many Tertiary Institutions are still being revised. Parents and students should be aware that this booklet contains the best information we have at this time.

This Course Directory is an attempt to explain the choices available and to outline some of the basic principles underlying subject choice such as keeping your options open if you are not sure what to do. It is a guide only. The Careers Advisor, Deans, Whānau Teachers, Deputy and Assistant Principals, and Principal are only too happy to advise students (and their parents/caregivers) and should be approached if there is any doubt. Parents wanting an appointment with one of these people should phone the school office 09 4318 230 or 0800 682 628.

This booklet has been produced to give information to parents and students about possible courses available in the senior school next year. Not all courses will necessarily be offered as this will depend on staffing availability and students' subject preferences. We hope that it will assist you in making wise decisions about which subjects to take.

Rachel Clothier-Simmonds, Principal

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Help

This course directory is designed to assist senior students when selecting their 2017 courses

Careers

If you have a particular career in mind you can get valuable information on the CareersNZ website www.careers.govt.nz

Do not hesitate to see the Careers Advisor, Mrs van den Berg, if you have any questions regarding your future career.

You can also visit the school google site for more careers information:

<https://sites.google.com/a/otamatea.school.nz/otamatea-high-school-careers-information/home>

Current Year 10 Students

If you have no career in mind, don't panic. Most students do not make up their minds until much later. However, you should start thinking about what you might like to do when you leave school. Look at the subjects you are interested in, or are good at, and discuss your strengths and weaknesses with your family/whānau and with your whānau teacher.

Option Selections

When putting together your courses for 2017:

- Make sure you understand the entry requirements for all your subjects. Students who have not met these entry requirements will usually not gain entry into the course. If entry requirements are not met, you may have to study at a lower level. It is common for students to study at multiple levels (e.g. four subjects at NCEA Level 2 and two at NCEA Level 1)
- Make sure you know if the subject you are interested in studying is eligible for UE. Unit standard courses are not UE eligible courses.
- The school tries very hard to give you your first choice of subjects. For us to do so means we need definite information by the stated deadlines.
- Not completing your subject choice forms may mean your choice of options is not available to you because the class is full, or was cancelled due to either small student numbers or the unavailability of a specialist teacher.

Tertiary Links With Careers

Apprenticeship Entry

Most prefer completion of Year 12.

Minimum: Level 1 English – 12 credits, Mathematics – 12 credits. Most prefer Science – 12 credits, plus credits in subjects associated with the apprenticeship.

ALL apprenticeships require that you are able to meet entry requirements for the industry you are interested in.

Due to the fact that there are many more applicants than placements it is strongly advised that students aim to have achieved Level 2 NCEA with good grades in Mathematics, English and Science. It also helps to have had practical workplace experience through Gateway.

Visit <http://youthguarantee.net.nz/vocational-pathways/students-and-whanau/> to see pathway requirements.

IMPORTANT

Aim for more credits than the “minimum”.

Aim for Merits and Excellences, not just Achieved grades.

- To ensure that you are competitive with other applicants
- To ensure that you achieve the minimum number of credits required

Achievement for entry into training options: Be aware that, because of funding changes, entry criteria for most Tertiary courses is becoming more difficult to achieve.

Many tertiary institution courses are ranked using a grade point average; “Excellence” grade is ranked higher than a “Merit” grade, which is ranked higher than an “Achieved” grade.

Tertiary Certificate Entry

Many prefer completion of Year 12. Students must meet the minimum English requirement for certificates in their area of study: Level 1 = 10 literacy credits. Many require numeracy credits as well. Some certificates require Level 2 credits for entry.

Diploma Entry

Usually Level 2 – 48 credits over four subjects – that is 12 credits per subject. One of those subjects must be English. Some diplomas require NCEA Level 3 credits for entry.

Armed Forces Entry

The Armed Forces provide many opportunities for apprenticeships and on-the-job training. The minimum age for entry is 17 years and applicants are required to pass a **Medical Assessment, Physical Fitness test and Aptitude test.**

General summary of Entry into the Armed Forces	
Air-Force, Navy, Army	Recommendations or Requirements
Support Roles	English, Mathematics, Science, Technology, at Level 1 minimum recommended
Most Apprenticeships	English, Mathematics and a Science or a Technology subject Level 2
Engineering Apprenticeships	English, Mathematics and a Science subject Level 3
Officer and Specialist Roles	English, Mathematics and a Science subject Level 3
Undergraduate Scheme	University Entrance at Merit/Excellence level

National Certificate in Educational Achievement (NCEA)

The National Certificate in Educational Achievement is the main New Zealand qualification for secondary school students.

Most NCEA subjects are assessed using a combination of internal assessments (assessed at school) and external assessments (assessed by end-of-year examinations or through outside marking of portfolios), with credits earned going towards the NCEA qualification.

Achievement standards are New Zealand curriculum based. For achievement standards there are possible four grades:

- Achieved (A) for a satisfactory performance
- Merit (M) for very good performance
- Excellence (E) for an outstanding performance
- Not achieved (N) if students do not meet the criteria of the standard

Unit standards are competency based. Courses that offer unit standards are also credited towards NCEA at Levels 1, 2 and 3. All unit standards are internally assessed and although all grades may be available, usually there are just two:

- Not achieved
- Achieved

NCEA is intended to act as a learning goal and to encourage lifelong learning. Students will start to earn credits at school and can continue to build up their credits with a tertiary provider or in the workplace when they leave school.

NCEA Level 1 (usually Year 11)

Awarded when 80 Level 1 credits are earned.

This must include:

- 10 credits in Literacy (specified achievement standards available through a range of subjects or through a package of three literacy unit standards)
- 10 credits in Numeracy (specified achievement standards available through a range of subjects or through a package of three numeracy unit standards)

NCEA Level 2 (usually Year 12)

Awarded when 80 credits are earned – with at least 60 at Level 2 or above. Level 1 literacy and numeracy requirements must be met.

NCEA Level 3 (usually Year 13)

Awarded when 80 credits are earned – with at least 60 at Level 3 or above plus 20 credits from Level 2 or above. Level 1 literacy and numeracy requirements must be met.

UNIVERSITY ENTRANCE (UE)

University Entrance (UE) is the minimum requirement to go to a New Zealand university. Once you have met the requirements for University Entrance it will appear on your Record of Achievement.

To qualify you will need:

- NCEA Level 3
- Three UE approved subjects at Level 3, made up of 14 credits each.
- UE Literacy - 10 credits at Level 2 or above, made up of 5 credits in reading and 5 credits in writing

Please note that the University of Auckland has introduced an Academic English Language Requirement (AELR) into all of its undergraduate programmes. To meet the AELR, students will need a minimum of 17 credits in English at Level 2 or above.

New Zealand Scholarship

New Zealand Scholarship provides recognition and monetary reward to top students in their last year of schooling. New Zealand Scholarship examinations enable candidates to be assessed against challenging standards, and are very demanding. New Zealand Scholarship is a separate award from NCEA and is assessed by way of external assessment. The assessments are separate from the NCEA Level 3 assessments.

A New Zealand Scholarship (\$2000) is awarded if a student achieves the Scholarship standard in 3 subjects. Students can also gain awards in individual subjects (\$500 for one or two subject scholarships).

Fees & Financial Assistance

NCEA Level 1, 2 and 3

The cost in 2016 for all Achievement and Unit Standards entered at all levels is **\$76.70**.

NZ Scholarship: a fee of **\$30** is charged for entry to each Scholarship subject.

These costs are set by NZQA, with the High School acting as a collection agent for NZQA.

Fee Collection

It is important to address the payment of NCEA fees as early as possible. The school acts as an agent for NZQA and requests that all fees be paid by the beginning of September.

Students who leave school may not be credited with credits unless the entry fees for those standards have been paid for.

Otamatea High School Course Fees:

Please note that many courses offered have associated materials and field trip costs.

Financial Assistance

Financial assistance is available to assist with the payment of entry fees to National Secondary Schools Qualifications. To be eligible to apply you must be the fee payer and meet at least one of the following criteria:

- Be receiving a Work and Income or Study Link benefit
- Have a joint family* income below the threshold for receipt of a Community Services card.
- Have more than one child in the family* undertaking these qualifications in the same year, irrespective of income.

You cannot claim financial assistance for foreign fee paying students.

*A family means caregiver(s) and children living together. A family of two could be one parent/caregiver living with one child and a family of three could be one parent/caregiver with two children or a couple with one child.

Need additional help or guidance?

Contact: Mr Smyth on dirk.smyth@otamatea.school.nz

Gateway

The purpose of Gateway is to enable schools to provide senior students (year 11 and above) with opportunities to access structured workplace learning that has:

- a formalised learning arrangement set in the workplace
- specified knowledge and skills that a student will attain
- specified assessment methods (workplace learning)

Opportunities exist for Year 11, 12 and 13 students to attend work experience placements in their career of interest. This could be for a one day visit, for one day a week for one term, for one day a week for the whole year, or during the school holidays. Most students who have a Gateway programme select **Pathways** as one of their options. See the Pathways page for more information.

Students who wish to apply for Gateway should preferably already have 10 literacy and 10 numeracy credits. Year 11 students will not generally be eligible for Gateway until they have passed Level 1 literacy and numeracy. A student's Gateway programme will be aligned with one or more of the vocational pathways: Primary Industries, Services Industries, Social and Community Services, Manufacturing and Technology, Construction and Infrastructure and Creative Industries. Students are usually expected to gain at least 20 credits as part of their Gateway programme. Our successful Barista course is an example of a Gateway programme. It is aligned with the Services Industry vocational pathway.

Gateway is also an opportunity for students intending to go to University to have a chance to experience what their future career may be like before they have a large student loan. Gateway is also about building up networks in the work force. Many jobs are gained through the use of networks. Otamatea High School's Gateway programme has been extremely successful in placing students in full-time permanent employment. All students interested in Gateway must apply for an interview, as acceptance is not guaranteed.

Need additional help or guidance?

Contact: Mr Smyth on dirk.smyth@otamatea.school.nz
or Mrs Kemp on fiona.kemp@otamatea.school.nz

Pathways

Pathways is a new initiative introduced at the beginning of 2016 as an alternative NCEA subject option for senior Otamatea High School students (in years 11-13). Pathways is a venue (A4) that caters for students who wish to pursue a personalised programme of study that is aligned with their career aspirations, and who are prepared to work in a self-driven way. It aims to improve student transitions from school to work, or from school to further study. This is achieved by creating clear pathways for students, by providing a wider range of learning opportunities for students, by making better use of the available education networks and by helping students find suitable work experience opportunities.

Pathways Pillars

Pathways is underpinned by the following “pillars”.

- Success requires effort
- High expectations with little tolerance for low productivity or disruptive behaviour
- Students take responsibility for their own learning
- Pathways teachers are available as consultants/coaches to support student learning

Consider Pathways as an Option if...

- You have a specific career in mind and school subjects do not prepare you for this career.
- You cannot find enough relevant subjects in the option lines that the school offers and your area of interest is not covered by the Correspondence School (Te Kura).
- You are interested in doing courses that are specific to a Vocational Pathway but are not part of the regular school curriculum.
- You wish to experience structured workplace learning through the school’s **Gateway** programme.



Need additional help or guidance?

Contact: Mr Smyth on dirk.smyth@otamatea.school.nz
or Mrs van den Berg on sev@otamatea.school.nz

Distance Learning

Correspondence School

Certain students have demonstrated over the course of their time at Otamatea High School that they are capable of managing their time effectively and can study independently. These students have earned access to the privilege of studying certain subjects through the Correspondence School. These subjects are restricted to those that cannot be provided by Otamatea High School staff, and may include the following:

Accounting (Level 1 upwards)
Agriculture (all ages)
Art History (level 2 and 3)
Chinese (from beginners to Level 3)
Classical Studies (Level 2 and 3)
Commerce Studies (Level 1 and 2)
Economics (Level 1 upwards)
French (from beginners to Level 3)
German (from beginners to Level 3)
Health Science (Level 1 only)
Horticulture (all ages)
Japanese (from beginners to Level 3)
Legal Studies (Level 1 upwards)
Marine Biology (Level 1 only)
Spanish (from beginners to Level 3)

If there is a subject you want to study and it is not included in the available options, write on your option form what course you would like to study. Please note that entry to these courses requires sponsorship from your Dean confirming that you can manage your time effectively and can study independently.

Need additional help or guidance?

Contact: Mr Smith on guy.smith@otamatea.school.nz

Senior School Course Structure Years 10-13

YEAR 10		NCEA LEVEL ONE		NCEA LEVEL TWO		NCEA LEVEL THREE
English		English - Literacy & Language	→	English - Literacy & Language	→	English - Literacy & Language
		English - Practical Language skills & Literature	→	English - Practical Language skills & Literature		
		English - Transition to Literacy	×			
Mathematics		Mathematics with Algebra	→	Mathematics – Algebra & Calculus	→	Calculus
		Mathematics with Statistics	→	Mathematics – Statistics & Probability	→	Statistics & Probability
		Mathematics – Numeracy	→	Mathematics – General Mathematics	→	Mathematics – General Mathematics
		Mathematics – Numeracy Portfolio	×			
Science		Science - Physical	→	Chemistry	→	Chemistry
		Science – General	→	Physics	→	Physics
		Science – Applied	→	Biology	→	Biology
		Primary Industries Trade Academy	→	Primary Industries Trade Academy		
Social Science		Geography	→	Geography	→	Geography
		History	→	History	→	History
Digital Technology	→	Digital Media Studies	→	Digital Media Studies	→	Digital Media Studies
				Tourism	→	Tourism
Physical Education		Physical Education	→	Physical Education	→	Physical Education
		Health	→	Health		
			→	Sports Leadership		
Y10 Options:						
Students do TWO for a year						
Applied Technology	→	Wood Technology	→	Wood Technology	→	Wood Technology
	→	Engineering	→	Engineering		
			→	Construction Technology		
Business Studies	→	Accounting	→	Accounting	→	Accounting
	→	Business Economics				
Design & Visual Communications	→	Design & Visual Communications				
Digital Technology	→	Programming and Computer Science	→	Programming and Computer Science	→	Programming and Computer Science
Drama	→	Drama	→	Drama	→	Drama
Food Technology	→	Hospitality	→	Hospitality	→	Hospitality
Music	→	Music	→	Music	→	Music
Te Reo Māori	→	Te Reo Māori & Māori Performing Arts	→	Te Reo Māori & Māori Performing Arts	→	Te Reo Māori & Māori Performing Arts
Textile Technology	→	Textile Technology	→	Textile Technology	→	Textile Technology
Visual Art	→	Visual Art	→	Visual Art - Painting	→	Visual Art - Painting
			→	Visual Art - Photography	→	Visual Art - Photography
Japanese						

Subject Entry

The courses offered by each learning area are shown on the pages that follow.

The flow diagram shows what courses may be offered at NCEA Levels 1, 2 and 3.

Entry to Level 1 subjects

For English, mathematics and science, students are placed in classes based on their year 10 results.

Entry requirements are advertised for each course. Students will be accepted in a course if they meet those entry requirements.

If a student does not meet the entry requirement they must gain the HELA's permission before they can be accepted into a course.

Entry to Level 2 subjects

The level of difficulty of Level 2 subjects requires a certain level of achievement in NCEA Level 1. Students will be provisionally accepted into courses this year, and these will be confirmed when students' final NCEA results are available in January.

Some subjects specify achieving in a particular achievement standard, or even a specified grade in a particular standard. Where an inappropriate choice has been made, the whānau teacher or dean will discuss with the student.

Entry to Level 3 subjects

The level of difficulty of Level 3 subjects requires a certain level of achievement in NCEA Level 2. As a consequence, most Level 3 courses have pre-requisites.

Students will be provisionally accepted into courses and these will be confirmed when students' final NCEA results are available in January.

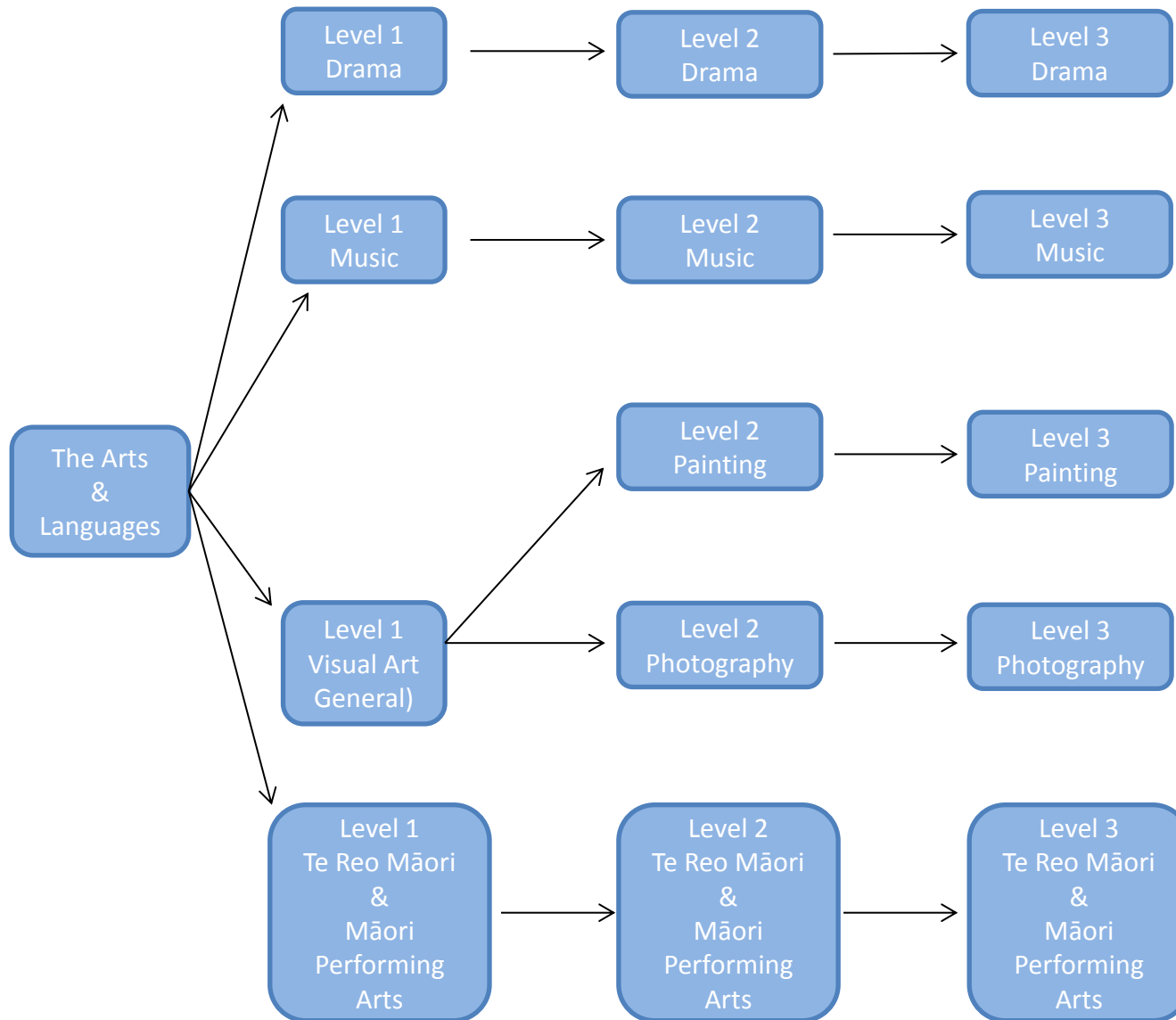
In exceptional cases, students can apply to the HELA for discretionary entry.

Entry Requirements

These are the recommended minimum levels of achievement you need to enter that course e.g. 14 credits

These prerequisites are based on prior experience. We believe that students who do not meet the prerequisites will have considerable difficulty coping in that subject.

The Arts



Possible Future Career Opportunities

Drama & Dance

Teaching
Theatre
Actor
Dancer
Producer
Director
Choreographer
Entertainer
Comedian
Stunt Person
Technician

Music

Composer
Conductor
Music Therapist
Radio Broadcaster
Singer
Event Manager

Visual Arts

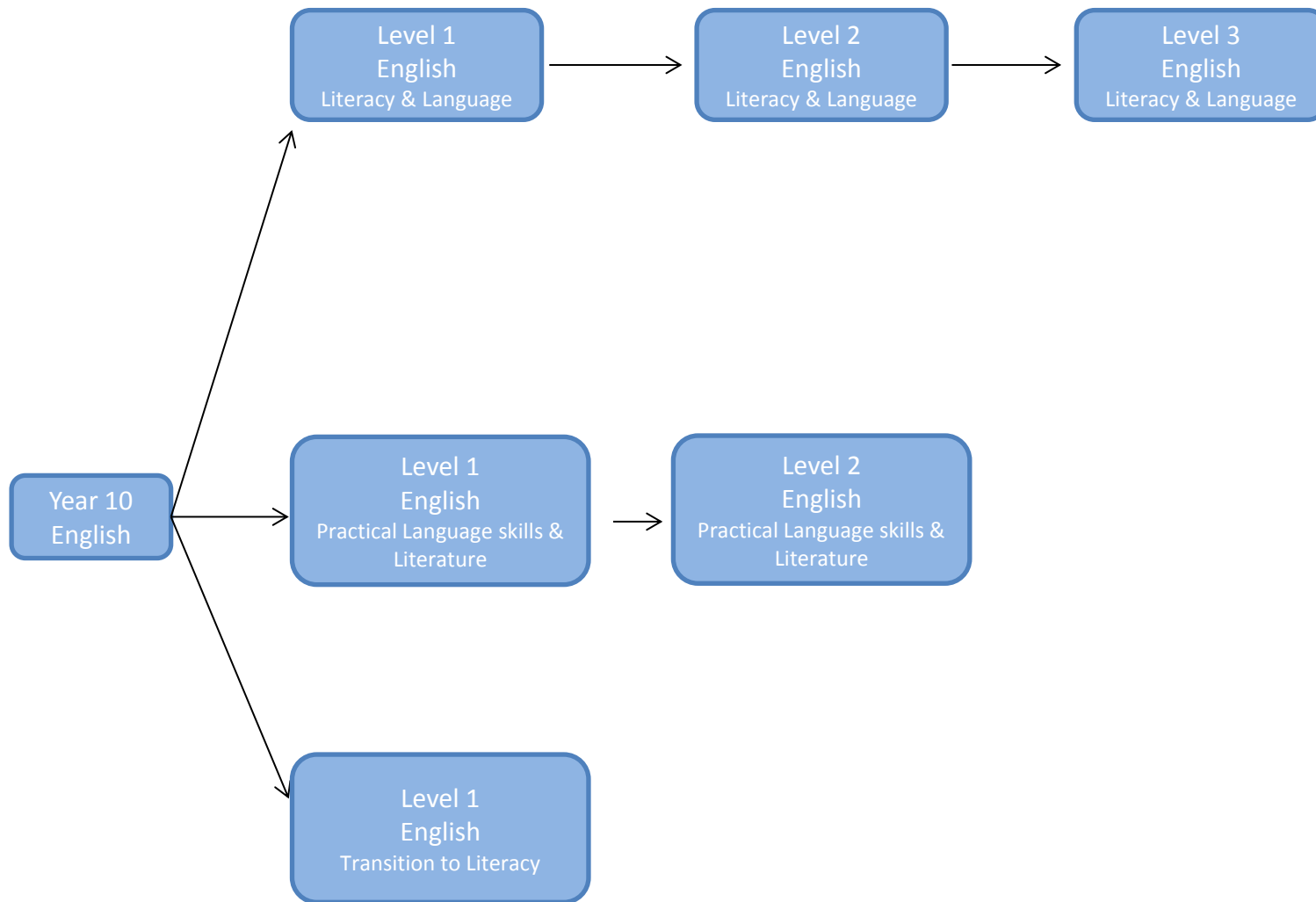
Florist
Artistic Director
Architect
Film/TV/Radio producer
Illustrator
Clothing Designer
Art Historian
Curator Teacher

Te Reo Māori

Broadcasting
Health
Management
Education
Māori Performing Arts
Māori Visual Arts

See career pages for further information

English

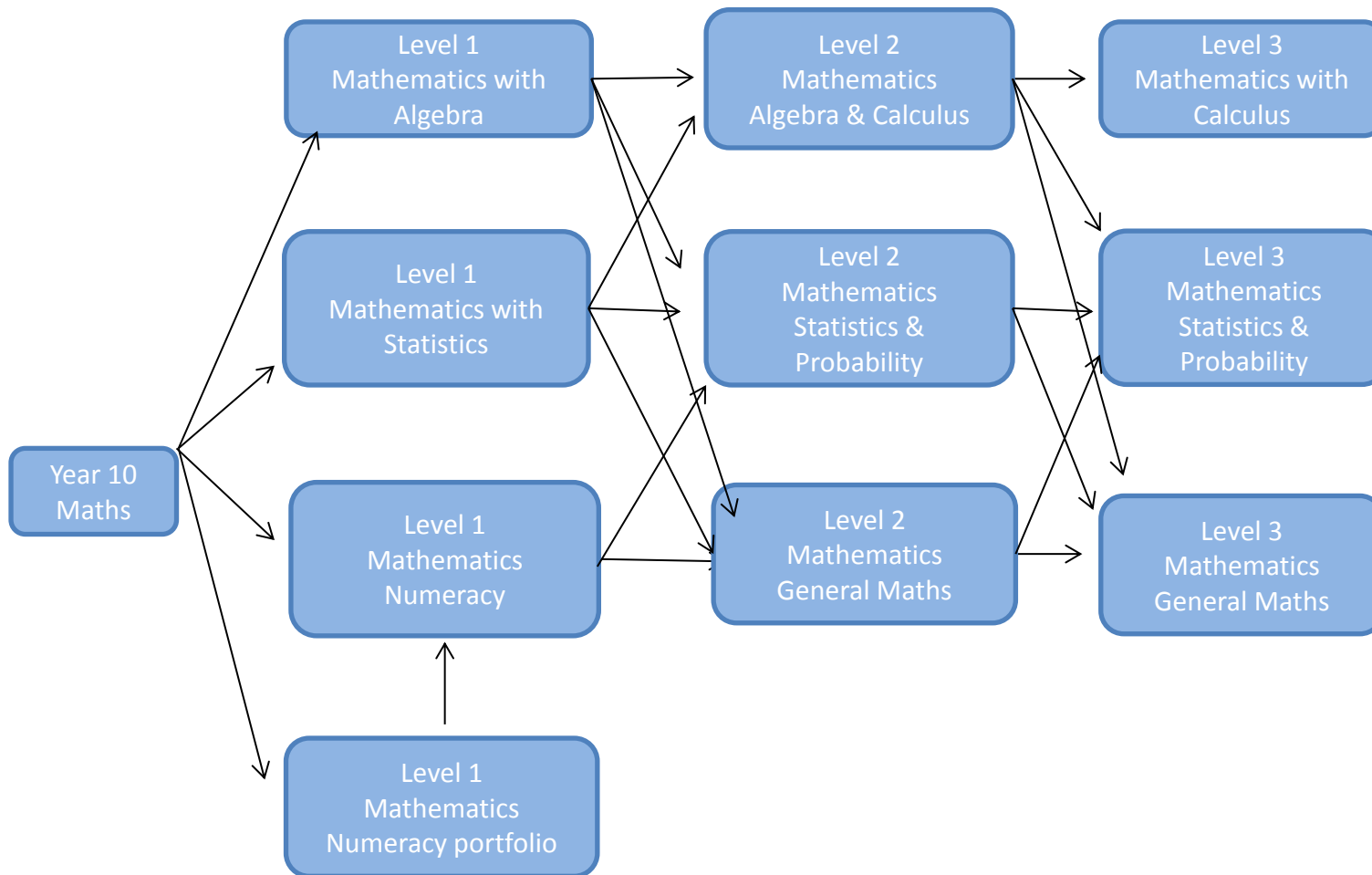


Possible Future Career Opportunities

- Trades
- Armed Forces
- Broadcaster
- Reporter
- Interpreter
- Training Consultant
- Librarian
- Curator
- Marketing Manager
- Communications
- Reviews
- Teacher
- Editor
- Lawyer
- Publisher

See career pages for further information

Mathematics



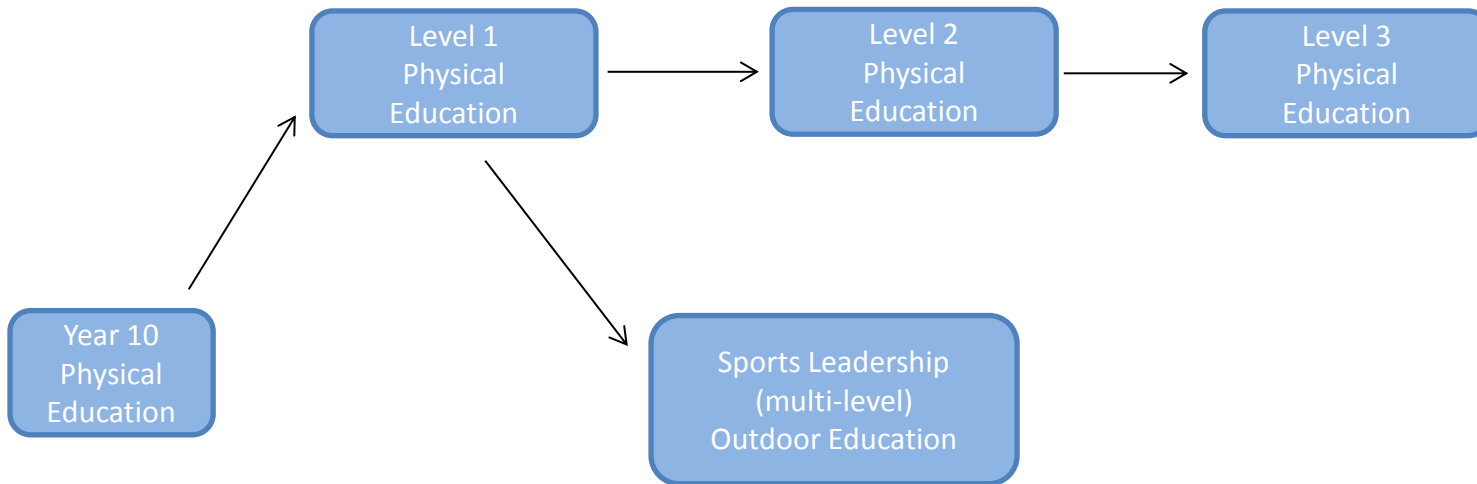
Possible Future Career Opportunities

With the explosion of digital data, the demand for Statisticians has increased dramatically in recent years. Statisticians are employed in: Archaeology, medicine, finance, economics, science, politics – anywhere where there is a need to analyse, interpret and make sense of data.

Calculus is used widely in all kinds of engineering (software, chemical, electrical, mechanical, aerospace) as well as physics, chemistry, biology, astronomy and finance. In the social sciences, calculus is widely used in the study of statistics and probability

See career pages for further information

Physical Education



Health

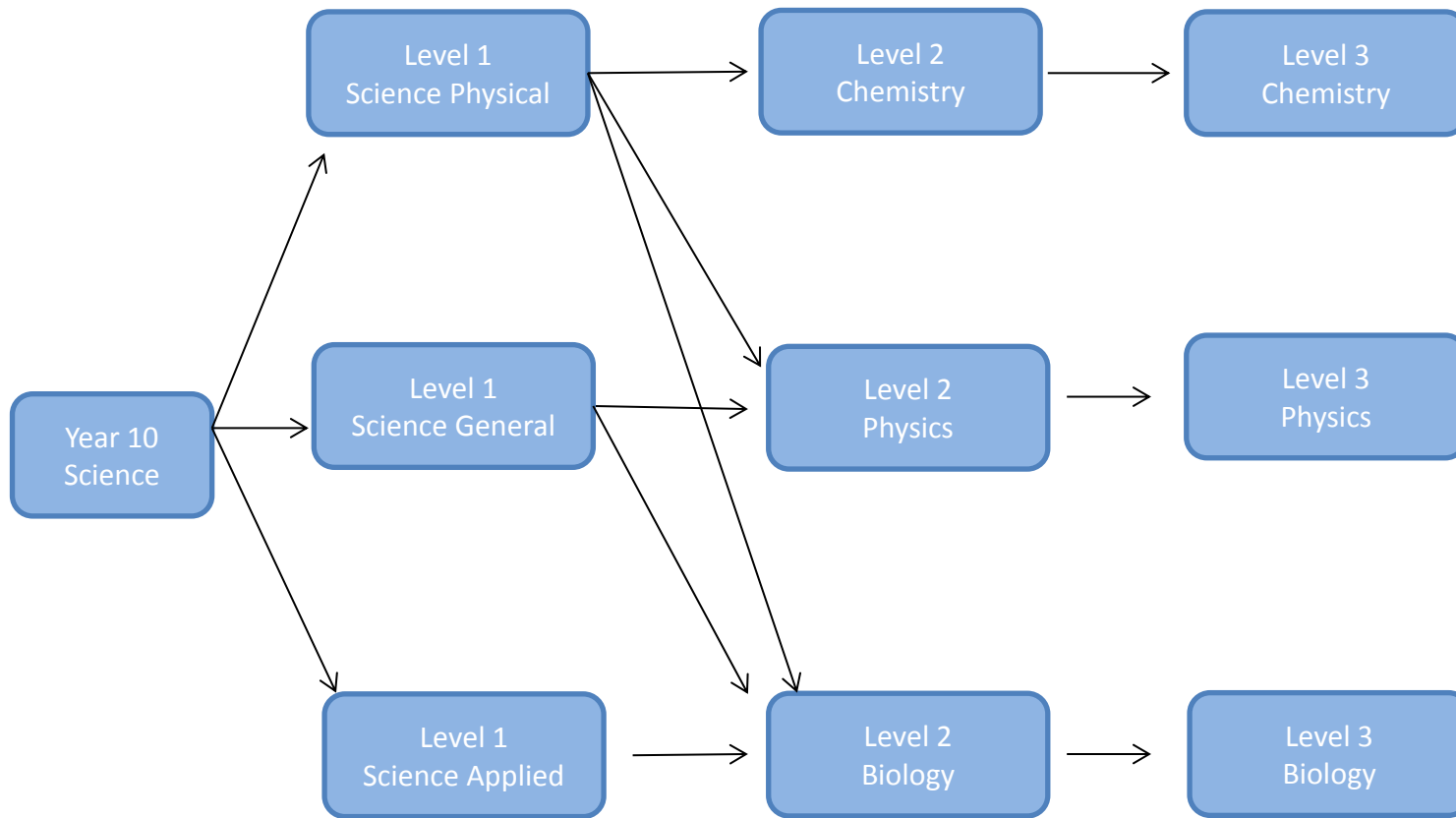


Possible Future Career Opportunities

Teaching
Fitness Industry
Sports Coaching
Sport & Recreation
Armed Forces
Police
Personal Trainer
Physiotherapist
Nurse
Public Health Nurse
Plunket/Childcare Worker
Obstetrician
Mental Health Worker
Physician

See career pages for further information

Sciences



Possible Future Career Opportunities

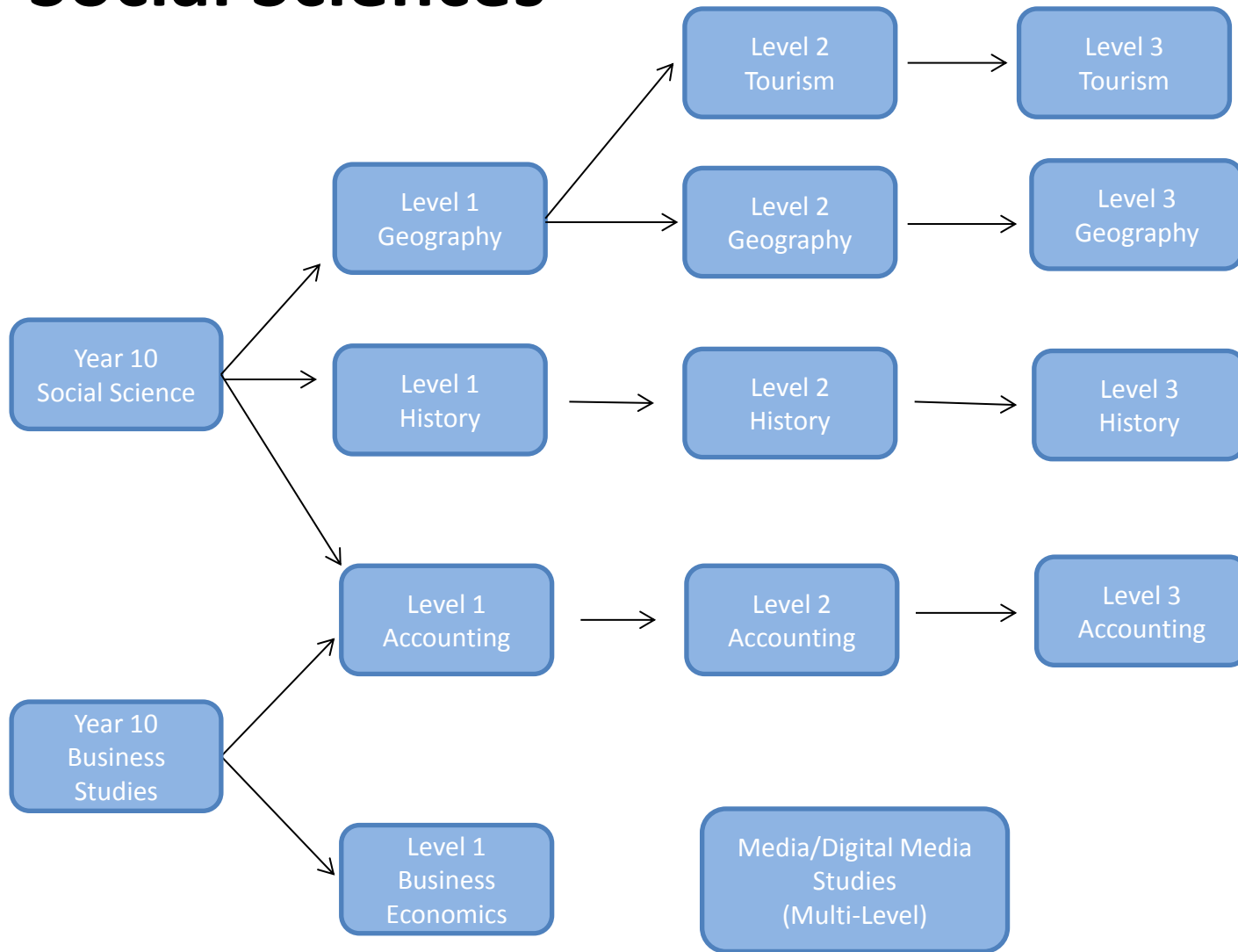
Biology
 Medicine
 Nursing
 Technician
 Technologist
 Teaching
 Marine Biologist
 Zoologist
 Veterinarian/Vet Nurse
 Environmental Studies

Chemistry
 Chemical Engineer
 Medicine
 Vet
 Pharmacist
 Bio-Chemist
 Industrial Chemist
 Forensic Scientist

Physics
 Engineer
 Pilot
 Medicine
 Medicine
 Meteorology
 Geophysics
 Astronomy
 Medical Radiation Technician

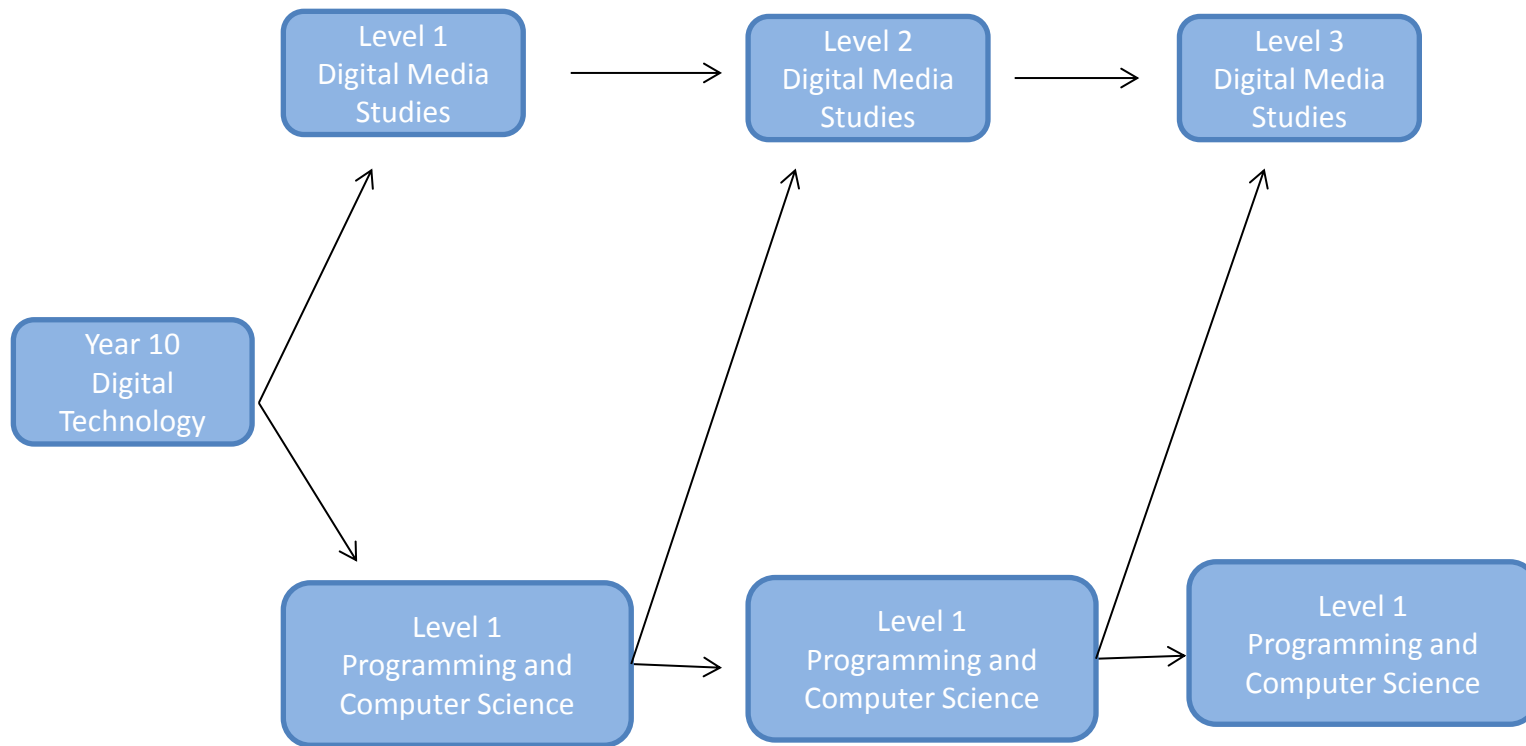
See career pages for further information

Social Sciences



- Possible Future Career Opportunities**
- Town Planner
 - Teaching
 - Demographer
 - Tourism Operator
 - Tourism Industry
 - Archaeologist
 - Anthropologist
 - Meteorologist
 - Policy Analyst
 - Resource Management
 - Diplomat \sociologist
 - Archivist
 - Journalist
 - Running your own Business
 - Contractor
- See career pages for further information**

Technology - Digital



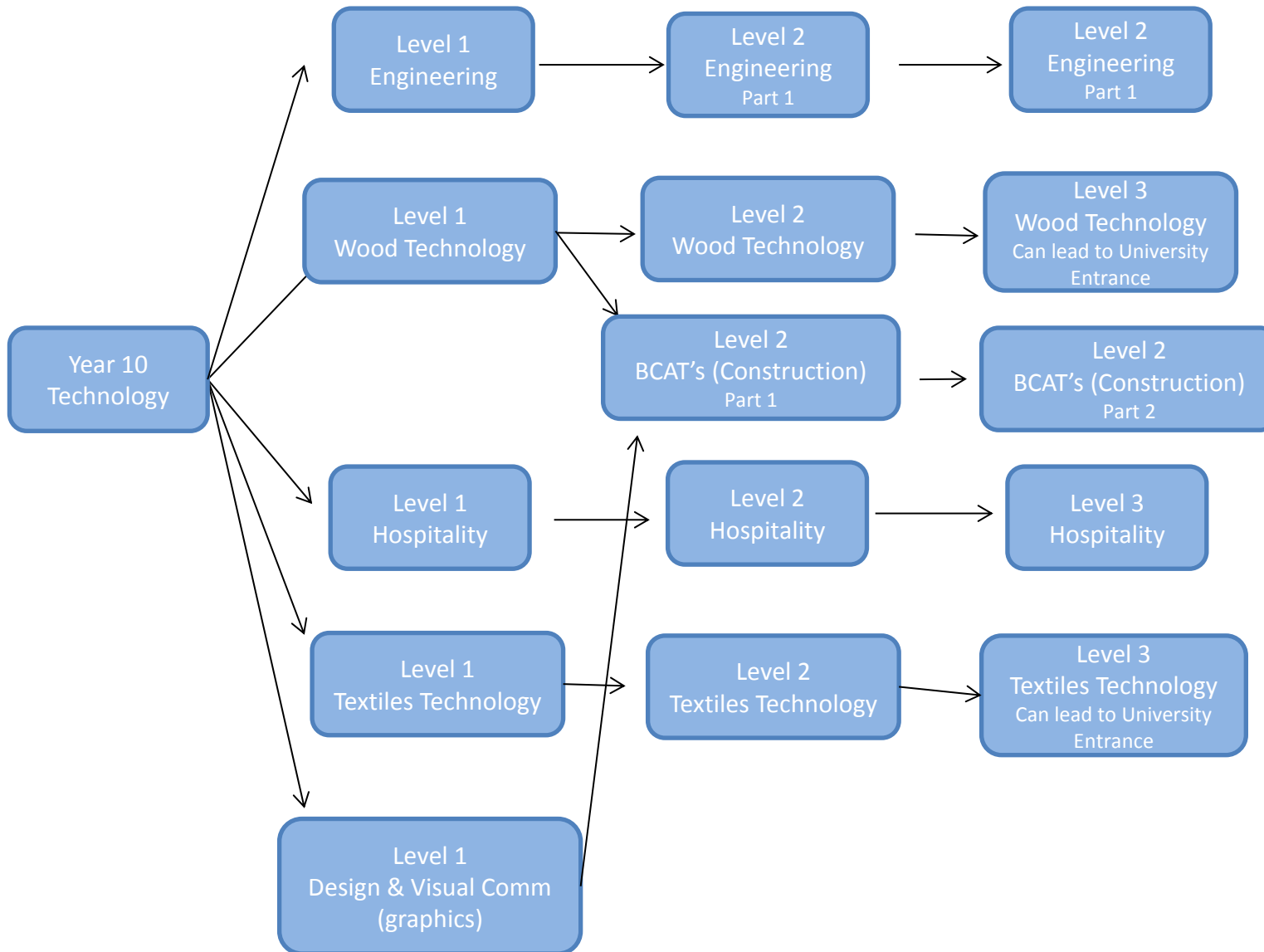
Possible Future Career Opportunities

Graphic Design
Web Authoring
Branding
Video Game Design
Digital Video and Photography
Marketing and Advertising
Social Media

Games Programmer
Software Engineer
Project Manager
Business Analyst
Network Manager
IT Support

See career pages for further information

Technology - Physical



Possible Future Pathways

Fashion

Fashion designer
 Pattern maker
 Fashion Consultant
 Costume Designer

Hospitality

Accommodation
 Services\Beverage
 Services\Food & Beverage
 Services
 Front Office
 Cookery

Hospitality Management

Construction
 All timer related trades e.g
 Carpenter
 Boat Builder
 Cabinet Maker

Engineering

Fitter Turner
 Automotive Engineering
 Composite Engineer\Marine
 Engineer
 Mechanical Engineer

Wood Technology

3D Product Designer
 Cabinet Maker
 Film and Theatre Prop
 Designer
 University (Technologist)

**See career pages for
 further information**

Year 10 subject Information

Year 9 students will be placed into Year 10 cores classes (English, Mathematics, Science, Social Science, Health and Physical Education) based on their individual learning needs.

Students will then select two optional subjects from the list below:

- Applied Technology
- Business Studies
- Design and Visual Communications (graphics)
- Digital Technology
- Drama
- Food Technology
- Japanese
- Music
- Te Reo Māori
- Textile Technology
- Visual Art

Not all Year 10 option subjects offered will necessarily run next year. This will depend on students' preferences as well as staff availability

Course Title	Year 10 English	Year 10 Mathematics	Year 10 Science
Entry	Students will be placed in an appropriate class depending on their achievement in Year 9.	Students will be placed in an appropriate class depending on their achievement in Year 9.	Students will be placed in an appropriate class depending on their achievement in Year 9.
Course Description	<p>Students will develop their English skills through the study of:</p> <ul style="list-style-type: none"> • Extended text study • Close reading (formal & creative) • Response to text • Static images • Moving images • Creative film • Formal / Transactional writing • Review • Static Image presentation • Speech presentation <p>Students may be offered a selection of Level 1 NCEA standards as part of their programme.</p>	<p>Students will develop their mathematical and statistical reasoning skills through the study of:</p> <ul style="list-style-type: none"> • Number • Algebra • Graphing • Geometrical reasoning • Shape • Measurement • Statistical Literacy • Statistical Investigations • Probability <p>All Year 10 students will be offered a selection of Level 1 NCEA standards as part of their programme</p>	<p>Developing scientific skills through investigation, reporting and evaluating study of:</p> <ul style="list-style-type: none"> • The earth and major geological processes (Earth Science) • Atoms • Molecules • Elements • Compounds, acids & bases matter, (chemistry) • DNA • Genes, variation, evolution (biology) • Electrical energy, charges, forces, magnetism (Physics) • Ecosystem, field work, biotic & abiotic (Biology – Ecology) <p>Students may be offered a selection of Level 1 NCEA standards as part of their programme.</p>
Contact	Mr J. Laue	Ms A. Alexandrou	Mrs N. Cotching

Course Title	Year 10 Social Science	Year 10 Physical Education
Entry	Students will be placed in an appropriate class depending on their achievement in Year 9.	Students will be placed in an appropriate class depending on their achievement in Year 9.
Course Description	<p>Level 5 of the curriculum. All students study:</p> <ul style="list-style-type: none"> • Treaties – focusing on Treaty of Waitangi • Sustainability – and the Future • World of Work – from choices and careers • Our Economic World – demand, supply, the involvement of the government in the N.Z economy and our economic challenges for the future <p>This will also include a Unit Standard on Health and Safety.</p> <p>Students may be offered a selection of Level 1 NCEA standards as part of their programme.</p>	<p>Level 5 of the curriculum</p> <ul style="list-style-type: none"> • Athletics • Swimming • Ki-o-rahi • Basketball • Volleyball • Looking at interpersonal skills and effects on team performance • Generic invasion games and racquet sports • Minor games e.g. unihoc, lacrosse • Leadership skills
Contact	Mr W. Maclennan	Miss L. Parkinson

Course Title	Year 10 Applied Technology	Year 10 Business Studies	Year 10 Design & Visual Communications (Graphics)
Entry	Students should have completed a Year 9 workshop based Technology course to a reasonable standard.	No previous experience required.	Students should have achieved at the expected level in Year 9 Technology classes.
Course Description	<p>This is a full year course with time spent in both Wood based and Metal based workshops. Students will be in a position to increase their skills, theory and related studies to prepare themselves for Year 11.</p> <p>There will be a fee to cover the cost of materials used by the student on this course.</p>	<p>This course enables students to keep track of their money. They study:</p> <ul style="list-style-type: none"> • Introduction to Accounting (very useful if considering doing Level 1 Accounting next year) • Small business responsibilities (will complete an Enterprise project) • Financial reporting • Personal financial affairs • Economics • Basic Law • Basic Marketing 	<p>This is a full year course that develops design and drawing skills in both 2D and 3D drawing through free hand and instrumental drawing methods. Students will be introduced to C.A.D drawing methods and model making in preparation for NCEA Level 1.</p>
Contact	Mr M. North	Mr W. Maclennan	Mr M. North

Course Title	Year 10 Digital Technology	Year 10 Drama	Year 10 Food Technology
Entry	Any	No previous experience necessary.	Students should have achieved at the expected level in Year 9, as indicated in their subject report. Students need to be aware that half the lessons each week involve written work. They must also be prepared to bring the required ingredients to practical classes.
Course Description	In Year 10, students cover a wide range of areas. As part of preparing for Digital Media Studies, students learn how to develop websites, design their own graphics images and use desktop publishing software. As part of preparing for Programming and Computer Science, students learn to program games using Scratch, use Python to write simple programs and create their own Movie Database.	Drama enables us to understand ourselves, the people around us and the world in which we live. This course will give opportunities for students to develop their confidence and abilities in speaking and moving in front of an audience. An introduction to the technologies used in performance. The units explore and develop: Performing – Drama Techniques Devising – Drama Processes Creating – Theatre form and technologies	This course is designed to prepare students for NCEA Level 1 Hospitality. Students will complete a National Certificate course through HETTANZ specifically designed for this year group. Each week will include practical foods work in addition to research, planning and knowledge based activities. Topics covered will include food safety, nutrition, specific food studies and produce development and promotion. There will be a fee to cover the cost of materials used by the student on this course.
Contact	Mr G. Smith	Ms F. Ofamo’oni	Ms Y. Gee

Course Title	Year 10 Japanese	Year 10 Music	Year 10 Te Reo Māori
Entry	Open	Some ability to play an instrument is desirable. Students will need to develop skills on one instrument in order to meet the solo and group performance criteria in the course. Students will benefit from regular lessons/practise on their main performance instrument through the itinerant music programme or outside the school.	No previous experience required although taking Te Reo in Year 9 would be preferable.
Course Description	<p>This is a year-long introductory course which focuses on both language and culture.</p> <p>Topics may include:</p> <ul style="list-style-type: none"> • Greetings • Numbers 0-100 • Likes and dislikes • Making requests • Home • School • Time • Interpersonal relationships • Descriptions • Feelings • Invitations • Location • Past present & future • Food, visit a restaurant • Festivals and sports 	<ul style="list-style-type: none"> • Perform as a soloist and as a member of a group • Compose music • Develop aural (Listening) skills • Analyse music scores • Study set music works <p>Students would be expected to be involved in or organise their own extra-curricular music related activities. For example - Festival of the Arts and other musical events on the school calendar.</p>	<p>As part of the new NCEA qualifications there are now credits offered for work in Year 10 Māori Performing Arts. The language modes of korero (speaking), tuhituhi (writing), matakitaki (viewing) and whakaatu (presenting) are used to both learn and assess, to enable the student to access a broader understanding of the Māori language and culture also.</p> <p>Topics Covered</p> <ul style="list-style-type: none"> • Giving and following commands • Performing roles on the marae • Māori sports and recreation <p>Active sentences</p>
Contact	Mrs H. Troost	Mr F. Murphy	Whaea Thomaseena Paul

Course Title	Year 10 Textile Technology	Year 10 Visual Art
Entry	Students should have achieved at the expected level in their Year 9 Technology classes.	This option may be taken by any student who has shown a reasonable aptitude and interest in Visual Arts during Year 9. Year 10 Art is fast paced, fun and is <u>strongly advised</u> for those students wishing to continue with art to senior levels.
Course Description	<p>This is a full year course. Year 10 is designed to prepare students for the Year 11 NCEA Technology course, and they are set up to gain NCEA level 1 credits</p> <p>Topics covered will include:</p> <ul style="list-style-type: none"> • Applied fabrics design • Winter warmers • Fashion study • Fabric and equipment knowledge • Marketable product production and promotion <p>There will be a fee to cover the cost of materials used by the student on this course.</p>	Year 10 Art consists of theory and practical work. Students will learn about a variety of art styles and artists, their techniques and processes. This will enable students to produce practical works of their own. Learning will be done through a series of classroom and homework projects.
Contact	Mrs E. van den Berg	Mrs R. Clist

Level 1 Subject Information

English is compulsory for all Year 11 students.

Students are placed into NCEA level 1 English classes based on their Year 10 results.

- L1ENGL (English Literature and Language) is an academic programme based on Achievement Standards, which are all taught to the excellence standard. This course prepares students for tertiary study in the future.
- L1ENGP (English Practical Language Skills and Literature) is based on Achievement Standards. This course supports students to pursue either tertiary education or employment at the end of their schooling.
- L1ENGT (English Transition to Literacy) is a practical English course, assessed by way of selected Achievement and Unit Standards. This course prepares students for the demands of the workforce and provides credits towards Literacy at Level 1.

Mathematics is compulsory for all Year 11 students.

Students are placed into NCEA level 1 Mathematics classes based on their Year 10 results.

- L1MATA (Mathematics with Algebra) is an academic programme based on Achievement Standards, which are all taught to the excellence standard. This class moves at a fast pace and prepares students for Level 2 Mathematics with Algebra or Statistics.
- L1MATS (Mathematics with Statistics) is based on Achievement Standards. All Achievement Standards are taught to Achieved/Merit standard with a strong emphasis on the basics. This course prepares students for Level 2 Mathematics with Statistics.
- L1MATN (Mathematics Numeracy): This is an achievement standard course that allows students to achieve the numeracy requirements for NCEA Level 1.

Science is compulsory for all Year 11 students.

Students are placed into NCEA level 1 Science classes based on their Year 10 results.

- L1SCIP (Physical Science) is an academic programme based on Achievement Standards, which are all taught to the excellence standard. This course prepares students for Level 2 Biology, Chemistry or Physics.
- L1SCIG (General Science) is based on Achievement Standards. All Achievement Standards are taught to Achieved/Merit standard with a strong emphasis on the basics. This course prepares students for Level 2 Biology, Chemistry or Physics.
- L1SCIA (Applied Science) is a unit/achievement standard course that focuses on some of the fundamentals of science.
- L1PRIM (Primary Industries). This is an academy course and entry is by interview only.

SIX SUBJECTS

All Year 11 students will study six subjects – English, Mathematics, Science and three other option subjects. The subjects available are found in the Subject Information section in this Course Directory handbook.

Please Note: Problems arise each year where students select inappropriate options and find after a month or so later that they cannot cope. Some students limit their career opportunities by making poor choices. Please ensure that your choice of options is matched to your ability to achieve in that subject – ask your class teachers and/or whānau teacher if you are in any doubt.

Course Title	Level 1 English Literature and Language	Level 1 English Practical Language Skills & Literature	Level 1 English Transition to Literacy
Entry	Determined by work ethic and achievement in Year 10 to level 5 of the NZ Curriculum or by approval from HELA.	Determined by work ethic and achievement in Year 10 to level 5 of the NZ Curriculum or by approval from HELA.	Determined by work ethic and achievement in Year 10 at or below level 4 of the NZ Curriculum or by approval from HELA.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 25 credits 	By Achievement Standards <ul style="list-style-type: none"> • 21 credits 	By Selected Standards or Literacy Standards <ul style="list-style-type: none"> • 13 credits internally assessed
Content	<ul style="list-style-type: none"> • Wide reading • Formal writing • Creative writing • Formal speech • Language • Research • Literature study – film • Literature study - novel 	<ul style="list-style-type: none"> • Wide reading • Viewing – moving and static images • Listening • Formal writing • Language • Research • Static image production • Literature study - film 	<ul style="list-style-type: none"> • Reading • Viewing – moving and static images • Listening • Formal writing • Creative writing • Static image production
Enquiries	Mr J. Laue		

Course Title	Level 1 Mathematics with Algebra	Level 1 Mathematics with Statistics	Level 1 Mathematics Numeracy Achievement Standards	Level 1 Mathematics Numeracy Portfolio
Entry	Working at level 5 of NZC or approval from HELA.	Working at level 5 of NZC or approval from HELA.	Working at level 4 of NZC or approval from HELA.	Working at level 4 of NZC or approval from HELA.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 21 credits 	By Achievement Standards <ul style="list-style-type: none"> • 19 credits 	By Achievement Standards <ul style="list-style-type: none"> • 17 credits 	By Internal portfolio of work <ul style="list-style-type: none"> • 10 credits
Content	<ul style="list-style-type: none"> • Algebraic methods • Equations and graphs • Linear algebra • Trigonometry • Statistical investigations • Geometric Reasoning 	<ul style="list-style-type: none"> • Numerical reasoning • Linear algebra • Trigonometry • Statistical investigations • Probability 	<ul style="list-style-type: none"> • Numerical Reasoning • Statistical Investigation • Transformation Geometry • Networks • Probability 	<ul style="list-style-type: none"> • Number • Measurement • Statistics
Enquiries	Ms A. Alexandrou			

Course Title	Level 1 Science Physical	Level 1 Science General	Level 1 Science Applied
Entry	Approval from Mrs Cotching based on Year 10 results.	Approval from Mrs Cotching based on Year 10 results.	Approval from Mrs Cotching based on Year 10 results.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 12 credits externally assessed • 11 credits internally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 12 credits internally assessed • 8 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 20 credits internally assessed
Content	Developing scientific skills through conducting investigations and research and writing reports. Study of: <ul style="list-style-type: none"> • Genetics (Biology) • Carbon chemistry • Mechanics (Science) • Electricity and magnetism (Physics) • Ecology (Biology) • Chemical reactions 	Developing scientific skills through conducting investigation and reporting. Study of: <ul style="list-style-type: none"> • Living things and micro-organisms (Biology) • Substances and their reactions • Speed and Motion, (Physics) • Acids and Bases • Heat and Insulation • NZ Land forms 	Developing scientific skills through conducting investigation and reporting. Study of: <ul style="list-style-type: none"> • Micro-organisms and their interaction with humans (Biology) • Acids and bases (Chemistry) • Ecology (Biology) • NZ Landforms (Earth Science) • Speed and Motion (Physics) • Astronomy
Enquiries	Mrs N. Cotching		

Course Title	Level 1 Accounting	Level 1 Business Economics	Level 1 Design & Visual Communication (Graphics)
Entry	Open	Open	Successful completion of Year a 10 technology option as determined by their teacher. Those who did design & visual technology will be given priority.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 12 credits internally assessed • 12 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 15 credits internally assessed • 8 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 16 credits internally assessed • 4 credit externally assessed Qualifies for course endorsement
Content	<ul style="list-style-type: none"> • Concepts for small entities • Processing for small entities • Prepare financial statements for Sole Proprietors • Interpret Accounting information for Sole Proprietors • Make a financial decision for an individual or group • Demonstrate an understanding of cash management for a small entity 	<ul style="list-style-type: none"> • Understanding the internal and external features of a small business • Demonstrating an understanding of marketing • Understanding the interdependence of sectors of the N.Z economy, including the government • Reviewing a product-based business in the local area 	Students are required to create a portfolio of evidence demonstrating the following skills and knowledge: <ul style="list-style-type: none"> • Research and the design process • Free hand sketching • Instrumental drawing • Colour rendering • Presentation • Mock-up and models • Computer Modelling <p>There will be a fee to cover the cost of materials used by the student on this course.</p>
Contact	Mr W. Maclennan/Mrs A. Marinus	Mr W. Maclennan	Mr M. North

Course Title	Level 1 Digital Media Studies	Level 1 Drama	Level 1 Engineering (Mechanical)
Entry	Successful completion of Year 10 English, as determined by their teacher.	Achieved in Year 10 English or Drama, or with TIC approval.	Successful completion of a Year 10 technology option or by interview with HELA.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards <ul style="list-style-type: none"> 18 credits internally assessed 4 credits externally assessed 	By Achievement & Unit Standards <ul style="list-style-type: none"> 18-22 credits internally assessed 4 credits externally assessed 	Industry standards competency based <ul style="list-style-type: none"> 20 credits internally assessed
Content	<ul style="list-style-type: none"> Demonstrate understanding of characteristics of media genre Demonstrate understanding of selected elements of media text(s) Produce a design and plan for a media product using a specified range of conventions Write media texts for a specific target audience Complete a media product using a specified range of conventions, from a design and plan 	<ul style="list-style-type: none"> Use elements and conventions to devise structure and perform drama Use features of a drama/theatre form in a Performance Describe the techniques, elements, conventions and technologies of drama in a new context and reflect on performance Apply drama techniques in a dramatic context Perform a technical or production role in a scripted production 	<p>Students need to complete theory booklets and practical projects demonstrating the following:</p> <ul style="list-style-type: none"> Knowledge of safety procedures in mechanical engineering Basic engineering workshop skills Simple measuring Ability to select, use and care for engineering hand tools, marking out equipment and dimensional measuring equipment. Automotive activities <p>There will be a fee to cover the cost of materials used by the student on this course.</p>
Contact	Mr W. Maclennan	Ms F. Ofamo'oni	Mr M. North

Course Title	Level 1 Geography	Level 1 Health	Level 1 History
Entry	Open	Any	Successful completion of Year 10 Social Science or English.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 13 credits internally assessed • 8 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 16 credits internally assessed • 4 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 12 credits internally assessed • 8 credits externally assessed
Content	<ul style="list-style-type: none"> • Extreme natural events (volcanic eruptions or tropical cyclones) • Sustainable use of an environment focusing on a dairy farm • Skills – mapping, graphing and valuing • Direct research • Contemporary issues • Global study <p>There will be 1-2 local field trips, each costing about \$5.</p>	<p>Students will</p> <ul style="list-style-type: none"> • Take action to improve/change personal wellbeing • Demonstrate understanding of interpersonal skills • Describe strategies for making health enhancing decisions in drug related situations • Demonstrate strategies for promoting positive sexuality 	<ul style="list-style-type: none"> • Carrying out an investigation of an historical event • Demonstrating understanding of an historical event • Interpretation of historical sources • Demonstrating understanding of the different perspectives of people • Describing the causes and consequences of an historical event
Contact	Mr W. Maclennan	Ms L. Parkinson	Ms A. Bosch

Course Title	Level 1 Hospitality	Level 1 Music	Level 1 Physical Education
Entry	Successful completion of a Year 10 technology option as determined by their teacher. Those who did food technology will be given priority. Otherwise an interview will be required with the teacher in charge.	Completion of Year 10 Music with Achieved gained in Solo and Group performances desirable. Otherwise an audition on primary performance instrument is required OR approval from TIC Music.	Good participation in Physical Education in Years 9 and 10.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Unit Standards <ul style="list-style-type: none"> • 24 credits 	Each student completes an individual programme which consists of a combination of Achievement Standards and or Unit Standards.	By Achievement Standards <ul style="list-style-type: none"> • 20 credits internally assessed
Content	Students will work primarily from workbooks designed by Service IQ. There will be written and practical assessments to show competency in the following skills in a workplace setting: <ul style="list-style-type: none"> • Career pathways in the Hospitality Industry • Food handling • Care and use of knives • Prepare and present meat • Prepare & present fruit & vegetables • Prepare & present egg & cheese dishes <p>There will be a fee to cover the cost of materials used by the student on this course. Students will be required to bring some ingredients from home.</p>	<ul style="list-style-type: none"> • Performs to an audience as an individual and in a group • Compose music • Study music works • Learn the fundamentals of music • Develop aural skills • Develop understanding of music scores 	<ul style="list-style-type: none"> • Safe practice in sport • Anatomy • Biomechanics – how the body moves • Exercise physiology – the body’s response to exercise • Analysing sports performance • Practical performance • Strategies for improving personal performance • Demonstrate self-management strategies • Taking purposeful action to help others participate in sporting activities
Contact	Ms Y. Gee	Mr F. Murphy	Miss L. Parkinson

Course Title	Level 1 Primary Industries Trade Academy	Level 1 Programming and Computer Science	Level 1 Textile Technology
Entry	Students can apply or be invited to join this class. Students must be keen to work safely in their gardens at school. Students should be interested in working in horticulture, agriculture, forestry or fishing industries.	Any	Successful completion of a Year 10 technology option and determined by their teacher. Those who did textiles technology will be given priority.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1 Qualifies for course endorsement
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 35 credits internally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 14 credits internally assessed • 3 credits externally assessed Qualifies for course endorsement	By Achievement Standards <ul style="list-style-type: none"> • 14 credits internally assessed • 3 credits externally assessed Qualifies for course endorsement
Content	This course suits students who like to learn by “doing”. Students will develop the knowledge and practical skills to: <ul style="list-style-type: none"> • Produce a garden to provide food • Find out what jobs are available in the primary industries • Find out how hydration and nutrition affect your work • Understand basic weather and record it • Understand nursery plant media • Understand how plants work • Learn about soils • Understand about “Clean Green NZ” ways to farm. • The aim is to achieve the National Certificate in Primary Industries Level 1 	<ul style="list-style-type: none"> • Implement basic procedures for servicing a personal computer system • Implement basic procedures to produce digital information • Demonstrate understanding of the basic concepts of computer science • Use planning tools to guide the technological development of an outcome to address a brief • Construct and plan basic computer programmes <p>In this course students learn how to service a personal computer and how to construct basic programs using Scratch and Javascript</p>	Students are expected to build a portfolio showing documented evidence covering: <ul style="list-style-type: none"> • Brief development • Knowledge of materials • Basic textiles concepts – making articles and garments using basic techniques and procedures • Develop a conceptual design <p>There will be a fee to cover the cost of materials used by the student on this course.</p>
Contact	Mr M. Troost	Mr G. Smith	Mrs E. van den Berg

Course Title	Level 1 Te Reo Māori and Māori Performing Arts	Level 1 Visual Art	Level 1 Wood Technology
Entry	Approval from Whaea Thomaseena, based on proficiency level or Year 10 option completion.	It is beneficial but not compulsory for students to have completed Year 10 Art. Over prescribed classes or students new to this subject will require a competence test and Year 10 attainment will also be considered.	Successful completion of a Year 10 technology option as determined by their teacher. Those who did wood/metal technology will be given priority.
Qualification	NCEA Level 1, working towards Te Waharoa National Certificate in Field Māori	NCEA Level 1	Credit towards National Certificate in Building, Construction & Allied Trades Level 1 NCEA Level 1
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 12 credits internally assessed • 12 credits externally assessed By Unit Standards <ul style="list-style-type: none"> • 6 credits internally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 10 credits internally assessed • 12 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 16 credits internally assessed • Option of additional external standards for course endorsement
Content	Developing conversational, writing, performance skills and an understanding of tikanga Māori through the study of the topics outlined in the NZQA assessment specifications: <ul style="list-style-type: none"> • Home • School • Marae • The teenage world 	<ul style="list-style-type: none"> • Drawing from subject matter in a range of wet and dry media • Painting • Printmaking • Using artist models • Developing ideas • Decision making • Produce a two panel board of works in a variety of media 	Students are expected to build a portfolio showing documented evidence of a project covering: <ul style="list-style-type: none"> • Safe working practices & health and safety in the workplace • Basic procedures using building materials • Investigation an issue and writing a brief • Knowledge and use of hardware and fastenings • Knowledge and use of wood working joints • Developing a conceptual design to meet a brief <p>There will be a fee to cover the cost of materials used by the student on this course.</p>
Contact	Whaea Thomaseena Paul	Mrs R. Clist	Mr M. North

Level 2 Subject Information

All Year 12 students must study an English course

As a result of your skill development and achievement up to the end of Year 11, you will be placed in the English course most suited to your ability. The difference between the courses is based on the method of assessment and the pace of the class:

- L2ENGL (English Literacy and Language) is assessed using Achievement Standards. This course prepares students for tertiary study in the future or for Level 3 English.
- L2ENGP (English Practical language Skills and Literature) is assessed by way of Unit and Achievement Standards. This course allows students to pursue either tertiary education or employment at the end of their schooling.

All Year 12 students are advised to study a course in Mathematics

There are three distinct Level 2 courses and students can select one or both of these courses, depending on their Level 1 results.

- L2MATA (Mathematics with Algebra).
- L2MATS (Mathematics with Statistics).
- L2MATG (General Mathematics)

SIX SUBJECTS

All Year 12 students will study 6 subjects – English plus five other option subjects. The subjects available are found in the Subject Information section in this Course Directory handbook.

A Year 12 programme of study could include:

- English plus five options all at NCEA Level 2
- English plus five options, most at NCEA Level 2 and some at NCEA Level 3
- English plus five options, most at NCEA Level 2 and some at NCEA Level 1

Students will need to consider the following when choosing their course of study in Year 12

- Academic achievement and ability
- Educational goals and career aspirations

Course selection in Year 12 is very important as it leads to Year 13, as well as to future employment & tertiary training opportunities.

- Talk about curriculum details with the subject teacher
- Discuss career options with the Careers Advisor (Mrs van den Berg)
- Talk to your whānau teacher

Course Title	Level 2 English Literature and Language	Level 2 English Practical Language Skills & Literature
Entry	Entry 14 credits in Level 1 English - Practical Language Skills & Literature, including external credits or approval from HELA.	Entry 10 credits in Level 1 English - Practical Language Skills & Literature, or approval from HELA.
Qualification	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 13 credits internally assessed • 11 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 19 credits internally assessed
Content	<ul style="list-style-type: none"> • Produce a selection of crafted writing • Produce a crafted and controlled visual text • Literature analysis – extended text including poetry • Literature analysis – film study • Analyse significant aspects of unfamiliar written texts • Demonstrate information literacy skills by investigation into language or literature topic • Oral presentation 	<ul style="list-style-type: none"> • Produce a selection of crafted writing • Demonstrate information literacy skills by investigation into language or literature topic • Vocational – based unit standards as appropriate
Enquiries	Mr J. Laue	

Course Title	Level 2 Mathematics with Algebra & Calculus	Level 2 Mathematics – General Maths	Level 2 Mathematics with Statistics
Entry	14 Level 1 credits from Achievement Standards including 91027, 91028 & 91029 – two of which must be at Merit level; or at HELA’s discretion.	14 Level 1 credits from Achievement Standards including 91026 or at HELA’s discretion.	14 Level 1 credits from Achievement Standards including two at Merit level from 91036, 91037, 91027, 91038 or at HELA’s discretion. Students must also have met Level 1 Literacy requirements.
Qualification	NCEA Level 2	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 20 credits 	By Achievement Standards <ul style="list-style-type: none"> • 18 credits 	By Achievement Standards <ul style="list-style-type: none"> • 18 credits
Content	<ul style="list-style-type: none"> • Coordinate Geometry • Graphical Methods • Trigonometric Relationships • Algebraic Methods • Calculus Methods • Systems of Equations 	<ul style="list-style-type: none"> • Coordinate Geometry • Networks • Graphical Methods • Sequences and Series • Probability • Systems of Equations 	<ul style="list-style-type: none"> • Questionnaire Design • Statistical Inference • Statistical Experiments • Statistical Reports • Probability Methods • Simulation
Enquiries	Ms A. Alexandrou		

Course Title	Level 2 Accounting	Level 2 Biology	Level 2 Chemistry
Entry	Open	Achieved or better in at least 4 Level 1 Science Standards, 2 or more in biology.	Achieved or better in at least 4 Level 1 Science Standards, 2 or more in Chemistry.
Qualification	NCEA Level 1	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 10 credits internally assessed • 13 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 11 credits internally assessed • 12 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 10 credits internally assessed • 13 credits externally assessed
Content	<ul style="list-style-type: none"> • Understand concepts for entity using accounting sub-systems • Processing using accounting software – MYOB • Prepare Financial Information for entity operating accounting sub-system • Interpret Accounting Information for entity operating accounting sub-system • Demonstrate understanding of Accounts Receivable for entity operating accounting sub-system • Demonstrate understanding of Inventory for entity operating accounting sub-system 	<ul style="list-style-type: none"> • Cellular structure and functions • Gene expression • Gene variation 	<ul style="list-style-type: none"> • Qualitative analysis • Structure, bonding and energy • Redox chemistry • Organic chemistry • Chemical technology • Chemical reactivity
Contact	Mr W. Maclennan/Mrs A. Marinus	Mrs N. Cotching	Mrs N. Cotching

Course Title	Level 2 Construction (Year 1)	Level 2 Construction (Year 2)
Entry	Successful completion of US24352, plus any 3 of 24355, 24356, 25910, 25920. Students without 24352 will be placed on contract. Students who have not attempted these standards (did a different technology) must have a positive testimonial from their previous technology teacher.	Successful completion of Construction Year 1 and a proven ability to work independently.
Qualification	Credits towards: National Certificate in Building Construction & Allied Trades Level 2 NCEA Level 2.	Credits towards: National Certificate in Building, Construction & Allied Trades – Advanced (students will have the opportunity to gain this certificate if this is their second year). NCEA Level 2
Assessment	Unit Standards	Unit Standards Standards taken from BCATs course dependent upon what the student has successfully completed in Year 1 of the course to gain the full certificate. 40 credits are needed for the full certificate
Content	<p>Students are expected to build a portfolio showing documented evidence of 2-3 projects covering:</p> <ul style="list-style-type: none"> • Safe working practices and health & safety in the workplace • Construction hand tools • Industry knowledge • Timber and material • Make cupboard, shelves, tables • Plans and specifications • Power tools • Quality checks • Communications <p>There will be a fee to cover the cost of materials used by the student on this course</p>	<p>Students are expected to build a portfolio showing documented evidence of 2-3 projects covering:</p> <ul style="list-style-type: none"> • Safe working practices and health & safety in the workplace • Construction hand tools • Industry knowledge • Timber and material • Outdoor furniture • Plans and specifications • Power tools • Quality checks <p>There will be a fee to cover the cost of materials used by the student on this course</p>
Contact	Mr M. North	Mr M. North

Course Title	Level 2 Digital Media Studies	Level 2 Drama	Level 2 Engineering
Entry	Students must have a sound understanding of English and good marks in this subject.	16 credits in Level 1 Drama or TIC approval.	Successful completion of Year 11 Engineering or by HELA approval successful completion of year 1 to progress to year 2.
Qualification	NCEA Level 2	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 19 credits internally assessed • 4 credits externally assessed 	By Achievement & Unit Standards <ul style="list-style-type: none"> • 22 credits internally assessed • 4 credits externally assessed 	Industry standards competency based <ul style="list-style-type: none"> • 18 credits internally assessed
Content	<ul style="list-style-type: none"> • Demonstrate understanding of narrative in media text • Demonstrate understanding of representation in the media • Demonstrate understanding of an aspect of media genre • Produce a design and plan for a developed media product, using a range of conventions • Write developed media text for a specific target audience • Complete a develop media product from a design and plan a range of media conventions 	<ul style="list-style-type: none"> • Apply drama techniques in a group with scripted context • Structure, record and perform a devised drama using elements and conventions to script a scene suitable for a drama performance • Apply knowledge of a drama theatre form with a presentation • Apply knowledge of and make judgments about drama processes and performance in a new context • Apply drama techniques in an improvised group context • Perform a substantial acting technical or production role 	<p>Students need to complete theory booklets and practical project demonstrating the following:</p> <ul style="list-style-type: none"> • Knowledge of safety procedures in mechanical engineering • Ability to select, use and care for engineering hand tools, marking out equipment and dimensional measuring equipment • Fabrication • Ability to draw and interpret engineering sketches <p>There will be a fee to cover the cost of materials used by the student on this course</p>
Contact	Mr W. Maclennan	Ms F. Ofamo'oni	Mr M. North

Course Title	Level 2 Geography	Level 2 Health	Level 2 History
Entry	11 credits in Level 1 Geography or HELA approval.	14 credits at Level 1 Physical Education or Level 1 Health.	Successful completion of Level 1 History, or 14 credits in Level 1 English (which must include at least one external standard).
Qualification	NCEA Level 2	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 14 credits internally assessed • 8 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 15 credits internally assessed • 5 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 14 credits internally assessed • 9 credits externally assessed
Content	<ul style="list-style-type: none"> • Differences in Development - Tanzania • Skills – mapping, graphing and valuing • Global Issue • Urban Studies – Whangarei CBD and CSI Chicago • Contemporary Issues 	<ul style="list-style-type: none"> • Analyse an adolescent health issue • Evaluate factors that influence people’s ability to manage change • Take action to enhance an aspect of people’s wellbeing within the school or wider community • Analyse issues related to sexuality and gender to develop strategies for addressing the issues 	<ul style="list-style-type: none"> • Carrying out an inquiry of an historical event • Examining an historical event • Examining historical sources • Interpreting the different perspectives of people • Examining the causes and consequences of an historical event
Contact	Mr W. Maclennan	Ms L. Parkinson	Ms A. Bosch

Course Title	Level 2 Hospitality	Level 2 Music	Level 2 Photography
Entry	Priority will be given to students that have gained 14 credits in Level 1 Hospitality or at the discretion of the TIC.	14 credits in Level 1 Music or approval from TIC if Level 1 music was not taken.	Pre-requisite Level 1 English. Level 1 credit attainment will be considered if the class becomes over subscribed.
Qualification	NCEA Level 2	NCEA Level 2	NCEA Level 2
Assessment	By Unit standards <ul style="list-style-type: none"> • 24 credits 	Each student completes an individual programme which consists of a combination of Achievement standards and Unit Standards.	By Achievement Standards <ul style="list-style-type: none"> • 12 credits internally assessed • 12 credits externally assessed
Content	<p>Students will work in partnership with MIT in Auckland and from workbooks designed by Service IQ. There will be written and practical assessments to show competency in the following skills in a workplace setting:</p> <ul style="list-style-type: none"> • Food Safety • Care and use of knives • Prepare and cook food by grilling • Prepare & present salads for service • Prepare fruit & vegetables • Prepare & present basic sandwiches • Cook food by baking • International cooking • Barista <p>There will be a fee to cover the cost of materials used by the student on this course. Students will be required to bring some ingredients from home</p>	<ul style="list-style-type: none"> • Perform to an audience as an individual and in a group • Compose music • Study contrasting music works • Develop aural skills • Study music scores • Investigate an aspect of New Zealand music 	<ul style="list-style-type: none"> • Use drawing methods to apply knowledge of conventions appropriate to photography • Develop ideas in a related series of drawings appropriate to established photography practice • Demonstrate an understanding of methods and ideas for established practice appropriate to photography • Produce a systematic body of work that shows understanding of art making conventions and ideas within photography
Contact	Ms Y. Gee	Mr F. Murphy	Mrs R. Clist

Course Title	Level 2 Physical Education	Level 2 Physics	Level 2 Primary Industries Trade Academy Level 2
Entry	14 credits at Level 1 or by the approval of HELA	Achieved or better in at least 4 Level 1 Science Standards, 2 or more in Physics	Student can apply or be invited to join this class after a successful completion of Level 1 Trade Academy or by showing a keen interest in working in the primary industry sector. Students need to be able to work sensibly and safely in practical situations in the garden or in work situations.
Qualification	NCEA Level 2	NCEA Level 2	
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 19 credits internally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 7 credits internally assessed • 16 credits externally assessed 	
Content	<ul style="list-style-type: none"> • Methods and principles of training • Functional anatomy and biomechanics • Skill learning and psychological skills • Safe practice in outdoor activity • Leadership skills in groups and teams 	<ul style="list-style-type: none"> • Practical physics – experimental techniques • Waves, light and optics • Forces and motion • Electricity and electromagnetism • Atoms, nuclei and radioactivity 	Students will have the opportunity to develop practical skills and knowledge through work experience and a classroom programme that will be partly designed around their career choice. Students can spend up to 2 days a week in the work place where they will be expected to gain on the job credits. They can try more than 1 workplace. This programme will contain at least 43 credits at level 1, 2 or 3. The aim is to achieve the National Certificate Level 2 in any of the following options -Agriculture/Wood/Wood Manufacturing/Horticulture
Contact	Ms L. Parkinson	Mrs N. Cotching	Mr M. Troost

Course Title	Level 2 Programming and Computer Science	Level 2 Sports Leadership	Level 2 Te Reo Māori and Performing Arts
Entry	Passed Level 1 Digital Technology	11 Credits in Physical Education	At least 14 credits gained in Level 1 Te Reo Māori
Qualification	NCEA Level 2	NCEA Levels 1, 2 & 3	NCEA Level 2
Assessment	By Unit Standards <ul style="list-style-type: none"> • 20 credits internally assessed • 4 credits externally assessed 	Internally assessed by Otamatea or outside providers. By Unit Standards minimum of 18 credits.	By Achievement Standards <ul style="list-style-type: none"> • 10 credits internally assessed • 14 credits externally assessed By Unit Standards <ul style="list-style-type: none"> • 12 credits internally assessed
Content	<ul style="list-style-type: none"> • Implement procedures for administering a local area network • Implement advanced procedures to produce specified digital information outcomes with dynamically linked data • Demonstrate understanding of advanced concepts from computer science • Construct and plan advanced computer programmes 	<ul style="list-style-type: none"> • Plan implement and evaluate Kaiwaka Sports Day • Demonstrate knowledge and skills in sailing, camping, tramping & orienteering. • Manage and provide first aid in emergency situations • R Tucker Thompson sailing adventure (there is a fee for this course) • Exercise prescription in resistance training 	Further developing conversational, formal speaking, writing, performance skills and an increased understanding of tikanga Māori through the study of the topics outlined in the NZQA assessment specifications: <ul style="list-style-type: none"> • Tikanga marae • My aspirations • Teenage issues • Waiata and haka
Contact	Mr G. Smith	Mr B. Alison	Whaea Thomaseena Paul

Course Title	Level 2 Textiles Technology	Level 2 Tourism	Level 2 Visual Art
Entry	Minimum of 14 Textile credits at Level 1 or at the discretion of the HELA.	12 credits in Level 1 English 8 credits in Level 1 Numeracy (for students intending to do 2 year course)	A minimum of 10 credits in Level 1 Art, Level 1 English or at the discretion of the HELA.
Qualification	Qualifies for NCEA Level 2 endorsement	Credits towards National Certificate in Tourism	NCEA Level 2
Assessment	By Achievement Standards <ul style="list-style-type: none"> 20 credits internally assessed 4 credits externally assessed 	By Unit Standards <ul style="list-style-type: none"> 12 credits internally assessed 	By Achievement Standards <ul style="list-style-type: none"> 12 credits internally assessed 12 credits externally assessed
Content	Students are expected to build a portfolio showing documented evidence covering: <ul style="list-style-type: none"> Undertake effective development to make and trial a prototype Planning and making an outcome Develop a conceptual design Knowledge of material evaluation Implementing advanced procedures when using textiles Understanding advanced textile concepts <p>There will be a fee to cover the cost of materials used by the student on this course</p>	<ul style="list-style-type: none"> Knowledge of New Zealand as a tourist destination Work roles within the Tourism industry Tourism Characteristics World Tourist Destinations The Business of Tourism Environmental impacts in Tourism <p>Trip cost of \$200 approximately - optional</p>	<ul style="list-style-type: none"> Use drawing methods to apply knowledge of conventions appropriate to painting Develop ideas in a related series of drawings appropriate to established painting practice Demonstrate an understanding of methods and ideas from established practice appropriate to printing Produce a systematic body of work that shows understanding of art making conventions and ideas within paint
Contact	Mrs E. van den Berg	Mr W. Maclennan	Mrs R. Clist

Course Title	Level 2 Wood Technology
Entry	10 Achievement Standard credits from the Technology Domain at Level 1.
Qualification	NCEA Level 2
Assessment	By Achievement Standards A minimum of 18 credits is offered to all students. Qualifies for course endorsement
Content	Students need to build a portfolio showing their understanding of brief writing, conceptual design and/or prototyping. Students will then begin the process of designing and making a musical instrument. There will be a fee to cover the cost of materials used by the student on this course.
Contact	Mr M. North

Level 3 Subject Information

All Year 13 students can study NCEA Level 3 courses, provided they have met the course entry requirements. No subjects at Level 3 are compulsory. It is crucial that you give serious thought to your academic aims and select courses to suit your career or tertiary study aspirations. Involve your parents, subject teachers, whānau teachers and HELAs in your decision making.

A Year 13 programme of study must include 5 or 6 option subjects.

Examples:

Five options at NCEA Level 3 plus a study class

Three options at NCEA Level 3 plus three at NCEA level 2

5 options plus a correspondence subject

UE Approved Subject List include

Accounting	Drama	Photography (Art)
English	Painting (Art)	Mathematics
Biology	Geography	Physical Education
Chemistry	Calculus	Physics
History	Science	Te Reo Māori
Media Studies	Technology	Business Studies
Music Studies	Statistics	Digital Technology

See <http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/approved-subjects/> for a full list of 2016 Approved Subjects for University Entrance.

Preferential Entry to University

Most Universities have now adopted some form of preferential entry system so that they can manage the sizes of their classes easier. This ranks students who have gained University Entrance.

The Preferential Entry Score is calculated on a student's best 80 credits at Level 3 from a maximum of 5 approved subjects with no more than 24 credits per subject. If a student achieves fewer than 80 credits at level 3 their score is determined from the level 3 credits they have achieved from approved subjects.

The rank scores are usually calculated by awarding the following points.

Excellence	4 points
Merit	3 points
Achieved	2 points

The maximum rank score that can be achieved is 320 points.

Need additional help or guidance?

Contact: Mr Smyth on dirk.smyth@otamatea.school.nz

Course Title	Level 3 Accounting	Level 3 Biology	Level 3 Chemistry
Entry	HELA approval	Achieved or better in at least three Level 2 Biology achievement standards or approval from HELA.	Achieved or better in at least three Level 2 Chemistry achievement standards of which one must be achieved by external examination or approval from HELA.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 13 credits internally assessed • 13 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 10 credits internally assessed • 13 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 9 credits internally assessed • 15 credits externally assessed
Content	<ul style="list-style-type: none"> • Demonstrate understanding of accounting concepts for reporting entity • Demonstrate understanding of accounting for partnerships • Demonstrate understanding of Company Financial statement Preparation • Prepare a report for an external user that interprets an Annual Report • Demonstrate understanding of management accounting and decision-making • Demonstrate understanding of Job Costing Sub-system 	<ul style="list-style-type: none"> • Evolution (Human) • Plant behaviour & animal responses • Biotechnology • Processes of Evolution • Social issues in Biology • Practical Investigations 	<ul style="list-style-type: none"> • Bonding and Structure • Thermo chemistry • Redox reactions • Organic Chemistry • Aqueous Chemistry • Spectroscopic chemistry • Patterns in the periodic table
Contact	Mr W. Maclennan/Mrs A. Marinus	Mrs N. Cotching	Mrs N. Cotching

Course Title	Level 3 Digital Media Studies	Level 3 Drama	Level 3 English: Literacy and Language
Entry	Level 2 Media Studies or at HELA approval. Students must have a sound understanding of English and good marks in this subject.	14 credits in Level 2 Drama or TIC approval.	Entry 14 credits including external credits in Year 12 English or approval from HELA.
Qualification	This course can lead to further studies at University as it is a University Entrance subject NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 18 credits internally assessed • 4 credits externally assessed 	By Achievement & Unit Standards <ul style="list-style-type: none"> • 18-24 credits internally assessed • 4 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 14 credits internally assessed • 8 credits externally assessed
Content	<ul style="list-style-type: none"> • Demonstrate understanding of meaning in a media text through different readings • Demonstrate understanding of a relationship between a media genre and society • Produce a design for a media product that meets the requirements of a brief • Produce a media product to meet the requirements of a brief • Write a media text to meet the requirements of a brief 	<ul style="list-style-type: none"> • Interpret scripted text and integrate drama techniques in solo or paired performance • Devise script and perform drama for solo, duo or trio performance • Demonstrate knowledge of theatre form by analysing and interpreting two scripted texts • Analyse drama processes in a new context and reflect critically on drama performance • Research and carry out a performance or technical production role in a significant production: light, set, directing, sound, make-up, costume (5-6 credits) 	<ul style="list-style-type: none"> • Response to studied written texts • Response to studied visual or oral texts • Produce a selection of fluent and coherent writing • Respond critically to significant connections across texts • Develop an informed understanding of literature and/or language using critical texts
Contact	Mr W. Maclennan	Ms F. Ofamo'oni	Mr J. Laue

Course Title	Level 3 Geography	Level 3 History	Level 3 Hospitality Academy
Entry	11 credits in Level 2 Geography or HELA approval.	Successful completion of Level 2 History, or 14 credits in Level 2 English (which must include at least one external standard).	Priority given to students that have gained a minimum of 14 Hospitality credits at Level 2, including US167 (the compulsory food safety standard at Level 2).
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 14 credits internally assessed • 8 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 15 credits internally assessed • 10 credits externally assessed 	<ul style="list-style-type: none"> • 20 Credits – 45 Unit Standards
Content	<ul style="list-style-type: none"> • Geographic environment Omaha Beach • Skills – mapping, graphing and valuing • Planning an event • Contemporary issues • Global study • Research topic • Possibly tourism at Rotorua and Gold Coast 	<ul style="list-style-type: none"> • Research an historical event • Analysing an historical event • Analysing historical evidence • Analysing the different perspectives of people • Analysing the causes and consequences of an historical event 	<p>Students will work in partnership with MIT in Auckland and from workbooks designed by Service IQ with practical assessments to show competency in the following skills in a commercial setting:</p> <ul style="list-style-type: none"> • Food Safety • Barista • Commercial kitchen topics including pasta, egg dishes, baking and complex sandwich making • Nutritional knowledge as applied to commercial catering <p>There will be a fee to cover the cost of materials used by the student on this course</p>
Contact	Mr W. Maclennan	Ms A. Bosch	Ms Y. Gee

Course Title	Level 3 Mathematics with Calculus	Level 3 Mathematics – General Maths	Level 3 Music
Entry	14 Level 2 credits including four of 91269, 91257, 91256, 91259, and 91261. A minimum of Achieved for 91262. Three of the above achievements which must be at Merit level; or approval from HELA.	14 credits from Level 2, or approval from HELA.	12 credits in Level 2 Music or approval from TIC.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 24 credits 	By Achievement Standards <ul style="list-style-type: none"> • 19 credits 	Each student completes an individual programme which consists of a combination of Achievement standards and Unit Standards.
Content	<ul style="list-style-type: none"> • Differentiation and its applications • Integration and its applications • Manipulating real and complex numbers and solving equations • Modelling and problem solving using trigonometric functions • Systems of Equations 	<ul style="list-style-type: none"> • Linear programming • Critical path analysis • Simultaneous equation • Conic sections • Time series • Bivariate Investigation 	<ul style="list-style-type: none"> • Perform to an audience as an individual and in a group • Compose music • Research a music topic • Examine harmonic and tonal conventions in a music score • Create arrangements • Develop aural skills • Analyse a music work
Contact	Mr D. Smyth	Ms A. Alexandrou	Mr F. Murphy

Course Title	Level 3 Photography	Level 3 Physical Education	Level 3 Physics
Entry	10 Photography or Painting credits at Level 2.	14 credits at Level 1 or by the approval of HELA.	Achieved or better in at least three Level 2 Physics achievement standards or approval from HELA.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards <ul style="list-style-type: none"> • 8 credits internally assessed • 14 credits externally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 18 credits internally assessed 	By Achievement Standards <ul style="list-style-type: none"> • 7 credits internally assessed • 14 credits externally assessed
Content	<ul style="list-style-type: none"> • Analyse methods and ideas from established photography practice • Use drawing to demonstrate understanding of conventions appropriate to photography • Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice 	<ul style="list-style-type: none"> • Plan and evaluate your own personal exercise programme • Appraise and evaluate performance in a physical activity • Analyse safety issues in outdoor activities • Perform a physical activity to a nationally developed standard • Evaluate physical activity experiences and devise strategies for life long well being 	<ul style="list-style-type: none"> • Practical physics – advanced experimental techniques • Motion energy and forces • Waves, diffraction, interference and the Doppler Effect • AC & DC currents electromagnetism • Modern and quantum physics
Contact	Mrs R. Clist	Ms L. Parkinson	Mrs N. Cotching

Course Title	Level 3 Programming and Computer Science	Level 3 Statistics and Probability	Level 3 Te Reo Māori & Māori Performing Arts
Entry	Passed Level 2 Digital Technology.	14 Level 2 credits, including three from, 91263, 91264, 91266, 91267 and 91268. two of the above must be at Merit level or approval from HELA. Students must also have met the requirements for UE Literacy.	14 credits in Level 2 Te Reo Māori and Māori Performing Arts.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Unit Standards <ul style="list-style-type: none"> • 16 credits internally assessed • 4 credits externally assessed Qualifies for course endorsement	By Achievement Standards <ul style="list-style-type: none"> • 24 credits 	By Achievement Standards <ul style="list-style-type: none"> • 16 credits internally assessed • 12 credits externally assessed
Content	<ul style="list-style-type: none"> • Demonstrate understanding of complex areas of computer science • Implement complex procedures to develop a relational database embedded in a specified digital outcome • Develop a complex computer program • Demonstrate understanding of wide area networks <p>In this course students learn about complex areas of computer science, including how wide area networks work, and program complex computer programs using Python, Javascript and Visual Basic.</p>	<ul style="list-style-type: none"> • Time series • Experiments • Bivariate data analysis • Inference • Probability methods • Probability distributions 	<p>Students are required to build a portfolio of evidence showing their understanding of Te Reo Māori in listening, speaking, reading and writing.</p> <p>The course is based on the assessment specifications published by NZQA which are:</p> <ul style="list-style-type: none"> • Māori prophets • Language revitalisation • Politics • Local Iwi History • Kapahaka performance
Contact	Mr G. Smith	Ms A. Alexandrou	Whaea Thomaseena Paul

Course Title	Level 3 Textiles Technology	Level 3 Tourism	Level 3 Visual Art (Painting)
Entry	Achieved or better gaining a minimum of 14 Level 2 Technology achievement standards or approval from HELA.	11 credits in Level 1 Geography or HELA approval. Level 3 students who have previously taken Level 2 tourism must have successfully completed Level 2.	12 credits in Level 2 Visual Art.
Qualification	NCEA Level 3	National Certificate in Tourism (Introductory Skills Level 2)	NCEA Level 3
Assessment	By Achievement Standards <ul style="list-style-type: none"> 16 credits internally assessed 7 credits externally assessed Qualifies for course endorsement	By Unit Standards <ul style="list-style-type: none"> 20 credits internally assessed 	By Achievement Standards <ul style="list-style-type: none"> 8 credits internally assessed 14 credits externally assessed
Content	Students are expected to build a portfolio showing documented evidence covering: <ul style="list-style-type: none"> Development of a prototype considering fitness for purpose in the broadest sense Implementation of complex procedures to create an applied design for a specified product Demonstration of understanding of material development Development of a conceptual design Implementation of complex procedures Using textile materials to make a specified product Initiation of design ideas through exploration There will be a fee to cover the cost of materials used by the student on this course	<ul style="list-style-type: none"> Knowledge of Australia as a tourist destination Describe and promote a New Zealand tourist destination Knowledge of the Pacific Islands as a tourist destination 	<ul style="list-style-type: none"> Analyse methods and ideas from established painting practice Investigate and use of ideas and methods in the context of a drawing study in painting Systematically clarify ideas using drawing informed by established painting practice Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice
Contact	Mrs E. van den Berg	Mrs R. Clist	Mrs R. Clist