# Otamatea High School Course Directory 2025



### 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, senior leadership team, 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 on 09 4318 230 or 0800 682 628.

On 9<sup>th</sup> September is Options afternoon. All year 10, 11 and 12 students will visit the hall in class time to meet Heads of Departments. They will be able to find out what courses involve and see what work is done.

Parents are invited to attend with their students or from 3:30pm to 4pm when teachers/HODs will be available to discuss your student's options.

This booklet has been produced to give information to parents/caregivers 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.

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# Help

This course directory is designed to assist senior students when selecting their 2025 NCEA courses.

#### **Careers**

Do not hesitate to make an appointment with the career advisor, Mrs van den Berg, if you have any questions regarding your future career and the subjects you may need for this. You can email Mrs van den Berg on <a href="mailto:elizabeth.vandenberg@otamatea.school.nz">elizabeth.vandenberg@otamatea.school.nz</a> or alternatively visit the school website <a href="https://www.otamatea.school.nz">www.otamatea.school.nz</a>/careers for more general information.

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

#### **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. Think about whether you want to go to university or do some other training or go into a trade. Look at the subjects you are interested in, or are good at, and discuss your strengths and weaknesses with your family/whānau as well as with your whānau teacher, or with Mrs van den Berg.

MyMahi is an app that can be downloaded on computers and phones on which careers can be researched easily.

#### **Option Selections**

When putting together your courses for 2025:

- 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. Some students do 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 university entrance (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.
- Keep a broad end goal in mind and choose subjects that would support this goal. You and your circumstances change, and it is easier to change direction if you keep your options open.
- Please note that many courses offered do have associated materials and field trip costs.

# Tertiary Links With Careers

#### **Apprenticeship Entry**

#### Most prefer completion of NCEA Level 2.

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 meet entry requirements for the industry you are

Since 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 the school's Gateway programme.

#### Visit

http://youthguarantee.net.nz/vocationalpathways/students-and-whanau/ to see pathway requirements.

#### **IMPORTANT**

interested in.

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 present yourself in the best possible way.

#### **Armed Forces Entry**

The Armed Forces provide many opportunities for sponsored university courses and apprenticeships with 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 at Level 2	
Engineering Apprenticeships	English, Mathematics and a Science subject at Level 3	
Officer and Specialist Roles	English, Mathematics and a Science subject at Level 3	
Undergraduate Scheme	University Entrance at Merit/Excellence level	

#### **Polytechs and Universities**

### Tertiary Certificate Entry - NZQA Level 4 Many prefer completion of NCEA level 2.

Students must meet the minimum of 10 literacy credits in Level 1. Many require numeracy credits as well – also 10 at Level 1. Some certificates require Level 2 credits for entry.

#### Diploma Entry – NZQA Level 5, 6

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

#### **Bachelor Degree Entry - NZQA Level 7**

University entrance: NCEA level 3 and 14 credits in three university approved subjects, plus UE Literacy (which is 5 reading and 5 writing credits at Level 2 or above).

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

Scholarships, student allowances and student loans are ways to pay for tertiary study. More information about this is available at <a href="https://www.studylink.govt.nz">www.studylink.govt.nz</a>, as well as at each university website. Another worthwhile source of information is www.moneyhub.co.nz.

### 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 four possible 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:

- Achieved
- Not 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 a 5 credit Reading and a 5 credit Writing Common Assessment Activity (held in the hall, marked externally).
- 10 credits in Numeracy a 10 credit Numeracy Common Assessment Activity (held in the hall, marked externally).

#### 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 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 Examinations**

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).

# Gateway

Gateway is designed to support senior students' transition into the workforce by offering them workplace learning while still at school. Through the Gateway programme students are given the opportunity to 'test drive' their career choices, while gaining real-world experience. With the help of the Gateway Coordinator a student finds a workplace that is of interest to them and typically completes 3-5 days of work experience. This is generally done 1 day a week during the school term, and in some instances can continue for the full school year. Work experience can also be done in one block during the school holidays if a student does not wish to miss out on school. This work experience is designed to give the student a taste of what the job involves, and if it is a career they want to pursue further. The student can gain valuable inside knowledge, skills and contacts to give them a head start in their career.

Most students who wish to be a part of the Gateway programme select the Self-driven Pathways class as one of their options. See the Self-Driven Pathways page for more information. However, a student can still be a part of the Gateway programme without being in the Pathways class. Students who wish to apply for Gateway should preferably already have 10 literacy and 10 numeracy credits.

By joining the Gateway Programme a student is committing to completing a work experience placement and also achieving 20 NCEA credits (at any level). These credits can be achieved through career related short courses or theory-based unit standards which can be funded through the Gateway programme. Credits can also be achieved from gaining their driver licence, completing a first aid course, passing driving unit standards completed alongside a defensive driving course.

Gateway can provide an opportunity for students intending to go to university to experience what their future career may be like before committing to their study. Gateway is also about building up networks in the workforce. Many jobs are gained through networking. Otamatea High School's Gateway programme has seen many students placed in full-time permanent employment.

Gateway has a limited number of spaces available each year and acceptance on to the programme is not guaranteed.

#### Need additional help or guidance?

Contact: Ms Helen Anderson on helen.anderson@otamatea.school.nz

# Self-driven Pathways

Self-driven Pathways is a very successful initiative introduced at the beginning of 2016 as an alternative NCEA subject option for senior Otamatea High School students (in years 12-13). Pathways is an option 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 through a range of education networks, and by helping students find suitable work experience opportunities.

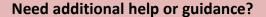
#### **Pathways Pillars**

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 offer 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.



Contact: Mrs van den Berg on elizabeth.vandenberg@otamatea.school.nz



# **Distance Learning**

#### **Correspondence School**

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

Accounting (Level 1 upwards)
Art History (Level 2 and 3)
Chinese (Level 1 upwards)
Classical Studies (Level 2 and 3)
Economics (Level 1 upwards)
French (from year 10 to Level 3)
German (from beginners to Level 3)
Home Economics (Level 1 upwards)
Japanese (from beginners to Level 3)
Legal Studies (Level 1 upwards)
Primary Production (Agriculture/Horticulture) (Level 1 upwards)
Spanish (Level 2 and 3)

To see what is taught in each subject, visit <a href="www.tekura.school.nz">www.tekura.school.nz</a> and open the catalogue, and see if there is a subject you want to study even if it is not included in the above details. Then write the course you would like to study on your option form. 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: Mrs van den Berg on elizabeth.vandenberg@otamatea.school.nz

# Senior School Course Structure Years 10-13

YEAR 10	NCEA LEVEL ONE	NCEA LEVEL TWO	NCEA LEVEL THREE
English	English	English - Academic	English - Academic
		English - General	English - General
Mathematics	Mathematics and Statistics	Mathematics - Algebra & Calculus	Mathematics with Calculus
	Mathematics and Statistics with Numeracy	Mathematics – Statistics	Mathematics – Statistics & Probability
		Mathematics - General	Mathematics - General
Science	Science - Essential	Physics	Physics
	Science - General	Chemistry	Chemistry
		Biology	Biology
Social Studies	Geography	Geography	Geography
		Tourism	Tourism
	History	History	History
Physical Education & Health	Physical Education	Physical Education	Physical Education
		Sports Leadership	
	Health	Health	Health
Y10 Options: Students do TWO for a year			
Hard Materials Technology	Building and Construction	Building and Construction	Building and Construction
	Engineering	Engineering	Engineering
Commerce	Commerce	Business Economics	Business Studies
Design & Visual Communications	Design & Visual Communications	Design & Visual Communications	Design & Visual Communications
Digital Technology	Digital Technology	Digital Technology	Digital Technology
Drama	Drama	Drama	Drama
Food Technology	Hospitality	Hospitality Academy	Hospitality Academy
Green to Gold	Primary Industries Trade Academy	Primary Industries Trade Academy	
Magazine Design		Media Studies	Media Studies
Music	Music	Music	Music
Spanish	Spanish		
Te Reo Māori	Te Reo Māori	Te Reo Māori	Te Reo Māori
Visual Art	Visual Art	Visual Art - Painting	Visual Art - Painting
		Visual Art - Photography	Visual Art – Photography
		Art Design	10

# 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**

Entry requirements are advertised for each option class. Students will be accepted into a course if they meet these entry requirements.

If a student does not meet the entry requirement, they must gain the HoD'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 may be provisionally accepted into courses at the end of the year, and these will be confirmed when students' final NCEA results are available in January.

Some subjects specify achieving in a particular achievement standard. Where an inappropriate choice has been made, the whānau teacher or dean will discuss this 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 result, 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.

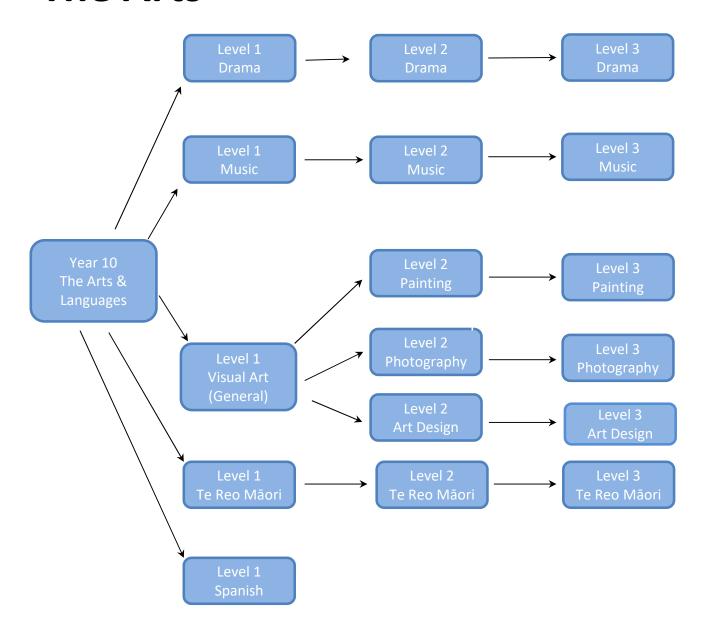
In exceptional cases, students can apply to the HoD for discretionary entry.

#### **Entry Requirements**

These are the recommended minimum levels of achievement you need in order to enter that course.

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

Music

Composer

Conductor

**Music Therapist** 

Radio Broadcaster

Singer

**Event Manager** 

Visual Arts

**Artistic Director** 

Architect

Film/TV/Radio producer

Illustrator

**Clothing Designer** 

Art Historian

**Curator Teacher** 

Te Reo Māori

Broadcasting

Health

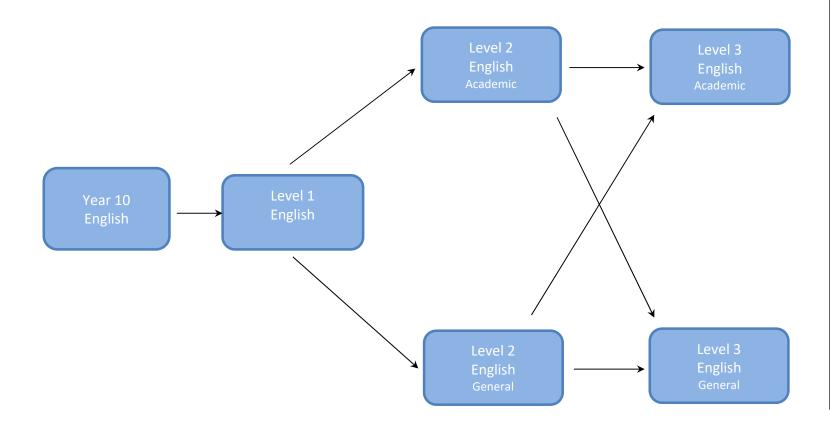
Management

Education

Māori Performing Arts

Māori Visual Arts

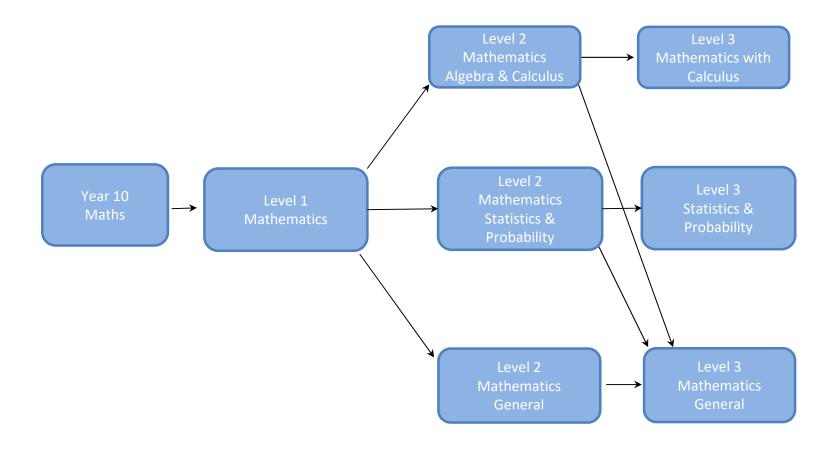
# **English**



### Possible Future Career Opportunities

- Trades
- Armed Forces
- Broadcaster
- Journalism
- Interpreter
- Training Consultant
- Librarian
- Curator
- Marketing
- Communications
- Reviews
- Teacher
- Editor
- Lawyer
- Publisher
- Psychology
- Advertising and digital media
- Author

### **Mathematics**

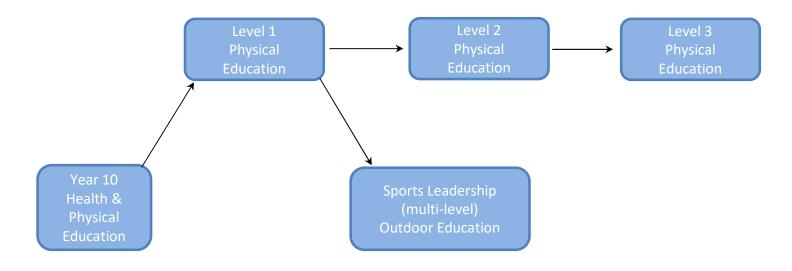


## Possible Future Career Opportunities

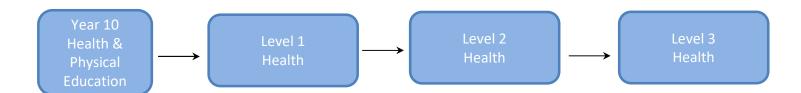
With the explosion of digital data, the demand for Statisticians has increased dramatically in recent years. Statisticians are employed in: health science, medicine, finance, economics, social science, politics — anywhere where there is a need to make sense of data.

Calculus is used widely in all kinds of engineering (software, chemical, electrical, mechanical, aerospace) as well as physics, chemistry, biology, astronomy and finance.

# **Physical Education**



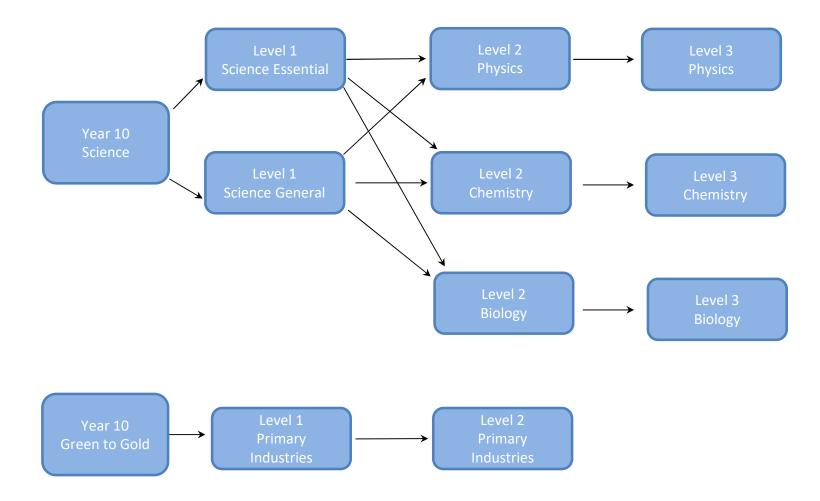
### Health



### 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

### **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

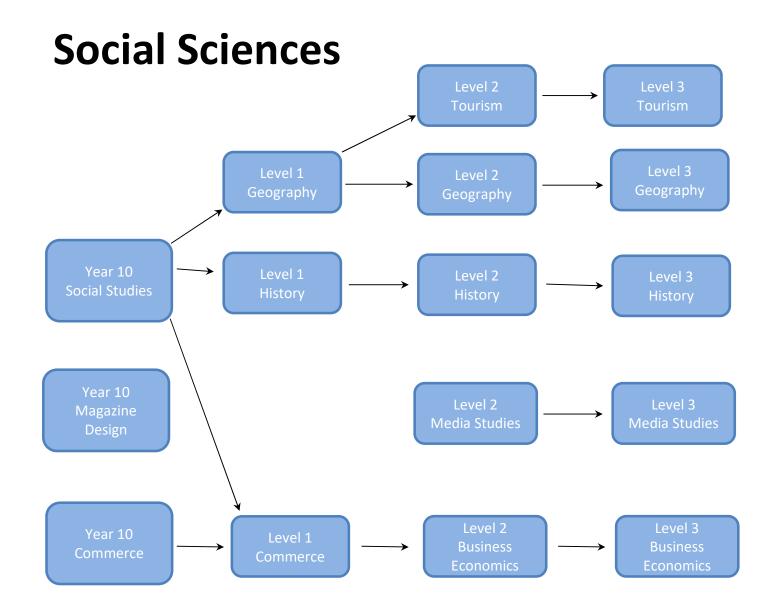
Geophysics

Astronomy

Medical Radiation Technician

See career pages for further information

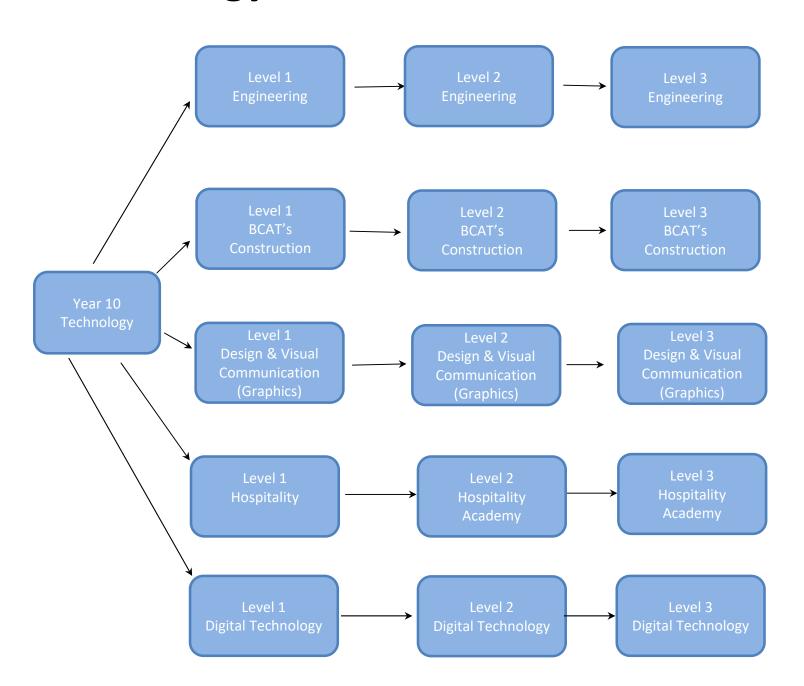
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### Possible Future Career Opportunities

**Town Planner** Teaching Demographer **Tourism Operator Tourism Industry** Archaeologist Anthropologist Meteorologist **Policy Analyst** Resource Management Diplomat \sociologist Archivist Journalist Running your own Business Contractor **Graphic Design** Social Media Film Production

## **Technology**



### Possible Future Pathways

Hospitality Accommodation Services\Beverage Services\Food & Beverage Services Front Office Cookery **Hospitality Management** Construction All construction related trades e.g Carpenter AI Engineering **Automotive Engineering Boat Builder** Cabinet Maker Composite Engineer\Marine Engineer

Designer
Engineering
Film and Theatre Prop
Fitter Turner
Mechanical Engineer
Programmer
Robotics
Software Development
Systems Engineer
Wood Technology
3D Product Designer
University (Technologist)

# Year 10 subject Information

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

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

- Commerce
- Design and Visual Communications (Graphics)
- Digital Technology
- Drama
- Engineering
- Food Technology
- French
- · Green to Gold
- Magazine Design
- Music
- Spanish
- Te Reo Māori
- Visual Art
- Wood Technology

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 Physical Education and Health
Entry	Students are placed in mixed ability classes.	Mathematics is compulsory in Year 10	Students are placed in mixed ability classes.
Course Description	Students will develop their English skills through the study of:      Writing     Reading and Viewing     Wide Reading     Presenting     Language  Students in this course will sit their NCEA Level 1 Reading and Writing Common Assessment Tasks	This course covers all content areas of Mathematics including Number, Algebra, Geometry, Measurement, Probability and Statistics  Students in this course will sit their NCEA Level 1 Numeracy Common Assessment Task	All students study:  Resilience and Hauora  Leadership in sports  My community and me  Relationships and Sexuality  Drugs and Alcohol
Contact	Mr D. George	Ms C. Clock	Mr B. Alison

Course Title	Year 10 Science	Year 10 Social Studies
Entry	Students will be placed in mixed ability classes.	Students are placed in mixed ability classes.
Course Description	Developing scientific skills, such as investigation, reporting and evaluating through the study of:  · Atomic Science · Acids & Bases · Metallurgy · Electricity & Magnetism · Forces & Motion · Genetics & Evolution · Medical Science · Earth Science · Fuels & Climate Change	All students study:  Treaties - focusing on the importance of the Treaty of Waitangi and its aftermath  Migration  Economic World  Government and Laws
Contact	Mr C. Townshend	Ms A. Bosch

Course Title Entry	Year 10 Commerce  No previous experience required.	Year 10 Design & Visual Communications (Graphics)  No previous experience necessary.	Year 10 Digital Technology  Any Year 9 Technology course.
Course Description	<ul> <li>What is/makes an entrepreneur</li> <li>Resources and adding value</li> <li>Marketing mix (4P's)</li> <li>Market Day and Business Plan</li> <li>Circular flow of income</li> <li>Disputes Tribunal</li> <li>Personal budgeting</li> <li>Finance / Accounts basics</li> </ul>	This course prepares students to take NCEA Level 1 in Design and Visual Communications. Students will learn techniques in freehand sketching and rendering. Students will engage in the design process where they research design elements to incorporate into their work.	In Year 10 students cover a wide range of areas. As part of preparing for Media Studies, students learn how to develop websites, design their own graphics images and edit videos. As part of preparing for Programming and Computer Science, students learn to program games, design and develop laser cut articles and do 3D printing.
Contact	Mrs R. Baker	Mr L. Dainty	Mr L. Dainty

Course Title	Year 10 Drama	Year 10 Engineering	Year 10 Food Technology
Entry	Year 9 Drama is preferred but not essential. Students need to have a positive attitude and a willingness to work in groups.	Students should have completed a Year 9 workshop-based Technology course to a reasonable standard.	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.
Course Description	Drama enables us to understand ourselves, the people around us and the world in which we live by exploring and performing stories, characters and ideas. This course will give students opportunities to develop their confidence and creativity through performance and production.  The units explore and develop: Character work: Create a character through a scripted production Devising: Creating original work using drama processes and conventions Acting Techniques: Explore acting techniques and compare theatrical styles	This is a full year course with time spent in the engineering workshop. Students will be able to increase their skills, theory and related studies to prepare themselves for Year 11.  Students will be involved in designing and making a range of products such as a clamp, plumb bob and metal toolbox.  Some Level 1 credits may be available.  There will be a fee to cover the cost of take-home materials used by the student on this course.	This course is designed to prepare students for NCEA Level 1 Hospitality.  Each week will include practical food 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.
Contact	Mrs A. Lee-Cooper	Mr L. Dainty	Mrs N. Kemp

Course Title	Year 10 French	Year 10 Green to Gold	Year 10 Magazine Design
Entry	This option may be taken by any student who has shown reasonable aptitude and interest in Year 7, 8 and/or 9.	This course is about sustainability in the agricultural industry. It is open to all students. It has theory and practical components.	Successful completion of Year 9 English and experience in Art is recommended.
Course Description	Year 10 French focuses on increasing vocabulary and grammar knowledge to be able to apply to listening, speaking, reading and writing topics. Students will learn how to use familiar language with more flexibility and be able to understand new vocabulary from its context. The expectation is that students will have a language level that will allow them to cope with routine situations in French speaking countries or with French speakers in New Zealand.  Year 10 French will also cover the French speaking cultures more deeply as customs and beliefs of a culture are a main part of learning a language.	Students will identify different methods of sustainability. They will gain an understanding of how the agriculture industry operates and understand what sustainability means both economically and environmentally.  This course will involve field trips to farming and horticultural locations.	Students will work together as a team to produce the school yearbook.  They will learn photography and graphic design skills using industry software and DSLR cameras. Students will also learn how to plan, organize and oversee all aspects of the editorial design process, having specific roles in an authentic context.
Contact	Ms L. Moreno	Mr M. Troost	Mrs T. Christie

Course Title	Year 10 Music	Year 10 Spanish	Year 10 Te Reo Māori
Entry	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 must be willing to engage in regular lessons/practice on their main performance instrument through the itinerant music programme or outside the school.	This option may be taken by any student who has shown reasonable aptitude and interest in Year 9.	This option may be taken by any student who has shown reasonable aptitude and interest in Year 9.
Course Description	<ul> <li>Perform as a soloist and as a member of a group</li> <li>Write a song</li> <li>Develop musical ideas through production and arranging Understand music's contributions to society</li> <li>Students are encouraged to be involved in or organise their own extra-curricular music related activities. For example – Smokefree Rockquest, Olla Podriga and other musical events on the school calendar.</li> </ul>	Year 10 Spanish focuses on increasing vocabulary and grammar knowledge and applying it to listening, speaking, reading and writing topics.  Students will learn how to use familiar language with more flexibility and be able to understand new vocabulary from its context. The expectation is that students will have a language level that will allow them to cope with routine situations in Spanish speaking countries or with Spanish speakers in New Zealand.  Y10 Spanish will also cover the Spanish speaking cultures more deeply, as customs and beliefs of a culture are an integral part of learning a language.	The language modes of korero (speaking), tuhituhi (writing), mātakitaki (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. These standards are presented through a range of relevant topics.  Kapa haka is run separately to this course, this is headed up by our school kaiāwhina - please liaise with her. As part of the new NCEA qualifications there are now credits offered for work in Year 10 Māori Performing Arts.
Contact	Mr J. Stevenson	Ms L. Moreno	Whaea Whetu / Ms K. Fleming

Course Title	Year 10 Visual Art	Year 10 Wood Technology
Entry	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 strongly advised for those students wishing to continue with art to senior levels.	Students should have completed a Year 9 workshop-based Technology course to a reasonable standard.
Course Description	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 with confidence. Learning will be done through a series of classroom projects and homework tasks.	This is a full year course with time spent in the engineering workshop. Students will be in a position to increase their skills, theory and related studies to prepare themselves for Year 11.  Students will be involved in designing and making a mirror cabinet with a drawer using traditional cabinet making techniques.  Some Level 1 credits may be available.  There will be a fee to cover the cost of take-home materials used by the student on this course.
Contact	Mrs R. Barclay-Clist	Mr L. Dainty

# Level 1 Subject Information

#### English is compulsory for all Year 11 students.

Students will choose an NCEA Level 1 English class that fits with their option lines.

• L1ENGL (English) is a general English programme based on Achievement Standards that prepares students for tertiary study in the future.

#### Mathematics is compulsory for all Year 11 students.

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

- L1MATH (Mathematics and Statistics) is an academic programme based on Achievement Standards, which are all taught to the excellence standard. This class prepares students for Level 2 Mathematics with Algebra or Statistics.
- L1MATN (Mathematics and Statistics with Numeracy) is an achievement standard course that supports 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.

- L1SCIE (Essential 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. Whilst all levels of achievement are covered, there is a strong emphasis on the basics. This course may prepare students for Level 2 sciences.

#### 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 when students select inappropriate options and find after a month or so 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	Level 1 Mathematics and Statistics	Level 1 Mathematics and Statistics with Numeracy
Entry	English is compulsory at Level 1.	Mathematics is compulsory at Level 1.  Students will be placed in the appropriate Level 1 Mathematics course based on their achievement in Year 10 Mathematics and the NCEA Numeracy Common Assessment Task.  Students in this course are achieving at the expected Curriculum Level in Mathematics and Statistics by the end of Year 10 and will have passed their Numeracy Assessment.	Mathematics is compulsory at Level 1.  Students will be placed in the appropriate Level 1 Mathematics course based on their achievement in Year 10 Mathematics and the NCEA Numeracy Common Assessment Task.  Students in this course are still needing extra support in Mathematics and Statistics and have not yet passed their Numeracy Assessment.
Qualificatio n	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards  10 credits internally assessed  10 credits externally assessed	By Achievement Standards · 15 - 20 credits	By Achievement Standards • 15 credits  NCEA Numeracy Common Assessment Task
Content	<ul> <li>Film Study</li> <li>Unfamiliar Text Study</li> <li>Written text study</li> <li>Formal OR Creative writing</li> <li>Create a visual OR oral text</li> <li>Connections across texts</li> <li>Close viewing</li> <li>Research</li> <li>Wide Reading</li> </ul>	<ul> <li>Mathematical Reasoning</li> <li>Statistical Enquiry</li> <li>Mathematical Methods</li> <li>Interpreting Data</li> </ul>	Mathematical Reasoning     Statistical Enquiry     Interpreting Data     Numeracy
Contact	Mr D. George	Ms C. Clock	Ms C. Clock

Course Title	Level 1 Essential Science	Level 1 General Science
Entry	This course is designed to include all essential knowledge needed to prepare students for Level 2 Sciences. Approval from HOD based on Year 10 results.	This course contains aspects of foundation knowledge in all three sciences. Students may still progress to Level 2 science. Approval from HoD based on Year 10 results.
Qualific ation	NCEA Level 1	NCEA Level 1
Assessm ent	By Achievement Standards      6 credits internally assessed      10 credits externally assessed	By Achievement Standards  16 credits internally assessed
Content	<ul> <li>Chemical Reactions</li> <li>Genetics</li> <li>Mechanics, Heat, Electricity</li> </ul>	<ul> <li>Chemical Reactions</li> <li>Microbes</li> <li>Motion, Forces</li> </ul>
Contact	Mr C. Townshend	Mr C. Townshend

Course Title	Level 1 Building and Construction BCATS	Level 1 Commerce	Level 1 Design & Visual Communication (Graphics)
Entry	Successful completion of a Year 10 technology option as determined by their teacher. Those who have already taken wood/metal will be given priority.	Some confidence with literacy and numeracy required. Successful completion of 10 Social Studies.	Successful completion of a Year 10 technology option as determined by their teacher. Those who did design & visual technology will be given priority.
Qualification	Credits towards National Certificate in Building, Construction and Allied Level 1 NCEA credits	NCEA Level 1	NCEA Level 1
Assessment	Unit Standards · 19 credits	By Achievement Standards  10 credits internally assessed  10 credits externally assessed	By Achievement Standards  10 credits internally assessed  10 credits externally assessed
Content	Students will learn basic construction skills used in the building trades such as, workshop safety, using hand tools, materials, and construction processes. Evidence of learning will be gathered through practical projects and written assessments.  Mirror Cabinet  There will be a fee to cover the cost of take-home materials used by the student on this course.	Students will learn to:  Understand an organisation's financial decision making  Understand price determination for an organisation  How interdependent financial relationships are affected by an event  How an organisation's financial viability is affected by an event	Students are required to create a portfolio of evidence demonstrating the following skills and knowledge:  Research and the design process Free hand sketching Instrumental drawing Colour rendering Presentation Mock-up and models Computer Aided Design
Contact	Mr L. Dainty	Mrs S. Harrison-Howe	Mr L. Dainty

Course Title	Level 1 Digital Technologies	Level 1 Drama	Level 1 Engineering (Mechanical)
Entry	Those who did Y10 digital technologies will be given priority.	Students with an interest in Acting, Performing and Creating drama.	Successful completion of a Year 10 technology option or by interview with HOD.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards  10 credits internally assessed  10 credits externally assessed	<ul> <li>10 credits internally assessed</li> <li>Up to 10 credits externally assessed</li> </ul>	Industry standards competency based  · 22 credits internally assessed
Content	<ul> <li>Create a computer program</li> <li>Develop a digital technologies outcome</li> <li>Demonstrate understanding of usability in human computer interfaces</li> <li>Design a digital technological outcome</li> </ul>	<ul> <li>Explore the function of Theatre         Aotearoa</li> <li>Participate in creative strategies to         create a drama</li> <li>Apply drama techniques to perform         a scripted role for an audience</li> <li>Respond to a drama performance</li> </ul>	Students need to complete theory booklets and practical projects demonstrating the following:  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 Fabrication activities  There will be a fee to cover the cost of take-home materials used by the student on this course (additional projects may incur additional material costs).
Contact	Mr L. Dainty	Mrs A. Lee-Cooper	Mr L. Dainty

Course Title	Level 1 Geography	Level 1 Health	Level 1 History
Entry	Some confidence with literacy and numeracy required. Successful completion of Year 10 Social Studies.	Positive engagement in Year 10 Health.	Confidence with literacy required. Successful completion of Year 10 Social Studies.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Achievement Standards  10 credits internally assessed  10 credits externally assessed	By Achievement Standards  · 10 credits internally assessed  · 5 credits externally assessed	By Achievement Standards  · 10 credits internally assessed  · 10 credits externally assessed
Content	Students will learn to:  Understand the spatial distribution of phenomena and its impacts within te taiao (the environment)  Explore te taiao using data  Demonstrate understanding of how natural processes operate within te taiao  Demonstrate understanding of geographic decision-making in Aotearoa New Zealand or the Pacific	<ul> <li>Students will</li> <li>Take action to enhance personal wellbeing</li> <li>Demonstrate understanding of interpersonal skills</li> <li>Develop strategies for making health enhancing decisions in drug related situations</li> <li>Demonstrate understanding of strategies for promoting positive sexuality</li> <li>Demonstrate understanding of ways in which wellbeing can change and strategies to support wellbeing</li> </ul>	Students will learn to:  Engage with a variety of primary sources in a historical context  Demonstrate understanding of the significance of a historical context  Understand historical concepts in contexts of significance to Aotearoa New Zealand  Understand perspectives on a historical context
Contact	Mr M. Troost	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 Achievement in Solo and Group performances desirable, otherwise an audition on primary performance instrument is required OR HOD approval. Willingness to engage in regular itinerant music lessons.	A positive attitude toward learning and quality engagement in physical education in Year 10.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Unit Standards - 24 credits	<ul> <li>10 credits internally assessed</li> <li>10 credits externally assessed</li> </ul>	By Achievement Standards  10 credits internally assessed  10 credits externally 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:  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  Prepare and present hot finger food  Prepare and present soup and sauces  Prepare and cook cake, scones and sponges	<ul> <li>Performs to an audience as an individual or in a group</li> <li>Recreate a song using music elements, aural skills, and production technology         <ul> <li>Develop aural skills</li> <li>Learn to compose original music</li> <li>Develop ability to interpret music and its contexts</li> </ul> </li> </ul>	•Anatomy and 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 •Kotahitanga •Movement impact on Hauora
Contact	Mrs N. Kemp	Mr J. Stevenson	Mr B. Alison

Course Title	Level 1 Primary Industries Trade Academy	Level 1 Spanish	Level 1 Te Reo Māori
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.	This option may be taken by any student who has shown reasonable aptitude and interest in Year 9 and/or Year 10.	Year 10 option completion or approval from HoD.
Qualification	NCEA Level 1	NCEA Level 1	NCEA Level 1
Assessment	By Unit Standards  · 25 credits internally assessed	By Achievement Standards  10 credits internally assessed  10 credits externally assessed	By Achievement Standards  10 credits internally assessed  10 credits externally assessed
Content	This course suits students who like to learn by "doing".  Students will develop the knowledge and practical skills to:  • 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 nursery plant media  • Understand how plants work  • Learn about soils  • Understand about "Clean Green NZ" ways to farm  The aim is to continue next year and complete a NZ Certificate in Primary Industries Level 2.	Level 1 Spanish focuses on being able to use the language to express basic personal information and life experiences that have happened in the past, present or future.  You will learn to communicate in Spanish in a range of familiar and everyday situations. You will develop your written, reading, listening and speaking skills in Spanish while also expanding on your cultural knowledge on the Spanish speaking countries.	Developing conversational, writing, performance skills and an understanding of tikanga Māori through the study of the topics relating directly to students and their immediate surroundings and experiences.
Contact	Mr M. Troost	Miss L. Moreno	Whaea Whetu / Ms K. Fleming

Course Title	Level 1 Visual Art
Entry	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.
Qualification	NCEA Level 1
Assessment	By Achievement Standards
Content	<ul> <li>Explore Visual Arts processes and conventions to direct your own art making ideas and present ideas about your theme.</li> <li>Create a sustained body of related artworks in response to an art making proposition</li> <li>Drawing from subject matter in a range of wet and dry media</li> <li>Painting</li> <li>Printmaking</li> <li>Using artist models</li> <li>Developing ideas</li> <li>Decision making</li> <li>Produce a one panel folio board of works in a variety of media</li> </ul>
Contact	Mrs R. Barclay-Clist

# Level 2 Subject Information

#### All Year 12 students are advised to study a course in English

There are two different Level 2 courses. Students can select one of these, depending on their Level 1 results.

- L2ENGA (Academic)
- L2ENGG (General)

#### 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 two of these courses, depending on their Level 1 results.

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

#### All Year 12 students are advised to study a course in Science

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

- L2PHYS (Physics).
- L2CHEM (Chemistry)
- L2BIOL (Biology)

#### SIX SUBJECTS

All Year 12 students will study 6 subjects. The subjects available are found in the Subject Information section in this Course Directory handbook. A Year 12 programme of study could include:

- Six options all at NCEA Level 2
- Six options, most at NCEA Level 2 and some at NCEA Level 3
- Six 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 Title	Level 2 English Academic	Level 2 English General
Entry	Entry 14 credits in Level 1 English including external credits or approval from HoD.	Entry 14 credits in Level 1 English including external credits or approval from HoD.
Qualification	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards  14 credits internally assessed  8 credits externally assessed	By Achievement Standards  14 credits internally assessed  8 credits externally assessed
Content	<ul> <li>Produce a selection of crafted writing</li> <li>Personal responses to texts</li> <li>Analyse connections between texts</li> <li>Literature analysis</li> <li>Analyse aspects of unfamiliar text</li> </ul>	<ul> <li>Produce a crafted and controlled visual text</li> <li>Close viewing of film</li> <li>Oral presentation</li> <li>Demonstrate information literacy skills</li> <li>Film and literature analysis</li> <li>Research</li> </ul>
Contact	Mr D. George	

Course Title	Level 2 Mathematics with Algebra & Calculus	Level 2 Mathematics General	Level 2 Mathematics with Statistics
Entry	Minimum of 15 credits from Level 1 Mathematics Achievement Standards including a Merit in AS91947 or at HoD's discretion	Minimum of 10 credits from Level 1 Mathematics Achievement Standards or at HoD's discretion	Minimum of 15 Level 1 Mathematics credits including at least a Merit in AS91943 and AS91944. Students must also have met Level 1 Literacy requirements.
Qualification	NCEA Level 2	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards - 20 credits	By Achievement Standards · 19 credits	By Achievement Standards · 18 credits
Content	<ul> <li>Coordinate Geometry</li> <li>Graphical Methods</li> <li>Trigonometric Relationships</li> <li>Algebraic Methods</li> <li>Calculus Methods</li> <li>Systems of Equations</li> </ul>	<ul> <li>Coordinate Geometry</li> <li>Networks</li> <li>Graphical Methods</li> <li>Sequences and Series</li> <li>Probability</li> <li>Systems of Equations</li> <li>Trigonometry</li> </ul>	<ul> <li>Questionnaire Design</li> <li>Statistical Inference</li> <li>Statistical Experiments</li> <li>Statistical Based Reports</li> <li>Probability Methods</li> <li>Probability Simulations</li> </ul>
Contact	Ms C. Clock		

Course Title	Level 2 Art Design	Level 2 Biology	Level 2 Business Economics
Entry	Year 10 Magazine Design and Level 1 Visual Art are an advantage.	Achieved or better in at least 4 Level 1 Science Standards.	Achieved or better in at least 14 credits from level 1 Commerce, or at the discretion of the HoD.
Qualification	NCEA Level 2	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards  · 8 credits internally assessed  · 12 credits externally assessed	By Achievement Standards  · 11 credits internally assessed  · 8 credits externally assessed	By Achievement Standards  18 credits internally assessed  4 credits externally assessed
Content	Students in this course spend the year working towards completion of two graphic design folio boards that have three achievement standards attached. The main area of study is computer generated graphic design where students will learn how to create logos and brand concepts, magazine spreads, posters, merchandise and packaging design. Students will use the Adobe Creative Suite (Photoshop, InDesign, Illustrator) to generate work. Design can utilise a range of approaches including illustration, collage, photography and digital processes following a design process. Ideal for students wanting a career in graphic design, architecture, product design, animation and gaming arts, web design, concept art, branding and marketing design.	<ul> <li>Cellular structure and functions</li> <li>Gene variation &amp; change</li> <li>Biological investigation</li> <li>Biological Research</li> <li>Ecological systems</li> </ul>	<ul> <li>Government Policies (Growth and Inflation)</li> <li>Business Activity</li> <li>Motivation Theory</li> <li>Assess critical problems in a large business</li> </ul>
Contact	Mrs T. Christie	Mrs J. Baker	Mrs R. Baker

Course Title	Level 2 Chemistry	Level 2 Construction (Year 1)	Level 2 Construction (Year 2)
			(For Y13 students)
Entry	Achieved or better in at least 4 Level 1 Science Standards.	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	NCEA Level 2	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	By Achievement Standards  10 credits internally assessed  9 credits externally assessed	Unit Standards. A range of theory and unit standards assessments totalling 20 throughout the year.	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	<ul> <li>Structure, bonding and energy</li> <li>Redox chemistry</li> <li>Chemical Reactivity</li> <li>Titrations</li> <li>Chemical Identification</li> </ul>	Students are expected to build a portfolio showing documented evidence of 2-3 projects covering:  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  There will be a fee to cover the cost of take-home materials used by the student on this course.	Students are expected to build a portfolio showing documented evidence of 2-3 projects covering:  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  There will be a fee to cover the cost of takehome materials used by the student on this course.
Contact	Mr C. Townshend	Mr L. Dainty	Mr L. Dainty

Course Title	Level 2 Construction Academy	Level 2 Design & Visual Communication	Level 2 Digital Technologies
Entry	Successful completion of Level 1 Building and Construction, Level 1 Engineering. Students who have not completed these courses or are presently Year 10's can apply and discuss their options with Mr Dainty.	Successful completion of Level 1 Design & Visual Communication.	14 credits in Level 1 digital technologies or via interview with HoD.
Qualification	National Certificate in Building Construction & Allied Trade Skills.  • 40 Level 2 Unit Standard credits through BCITO	NCEA Level 2	NCEA Level 2
Assessment	A range of theory and practical based Unit Standard assessments. Pathway standards. Garden seat, Outdoor coffee table	By Achievement Standards  16 credits internally assessed  3 credits externally assessed	By Achievement Standards  18 credits internally assessed  3 credits externally assessed
Content	For the National Certificate in Building & Construction, students will build 5 practical projects that reinforce the theory units:  • Safe working practices and health and safety in the work-place  • Construction hand tools  • Timber and materials  • Outdoor furniture  • Plans & Specifications  • Power tools  • Quality checks  • Communication  • Mathematics in the building industry  There will be a fee to cover the cost of takehome materials used by the student on this course.	Students will use visual communication techniques to compose a presentation of a design. They will also develop a product design through graphics practice.  Assessment will be based on your ability to use visual communication techniques to generate design ideas and present them.	<ul> <li>Develop a computer program using advanced techniques</li> <li>Develop a proposal for a digital outcome</li> <li>Develop a design for a digital outcome</li> <li>Develop a digital outcome by using advanced techniques. The outcome is to be 3D printed and/or laser cut and engraved</li> <li>Present a summary of developing a digital outcome</li> </ul>
Contact	Mr L. Dainty	Mr L. Dainty	Mr L. Dainty

Course Title	Level 2 Drama	Level 2 Engineering	Level 2 Geography
<b>Entry</b> Qualification	14 credits in Level 1 Drama or approval from HoD if Level 1 Drama was not taken.  NCEA Level 2	Successful completion of Year 11 Engineering or by HoD approval. Successful completion of year 1 to progress to year 2.  NCEA Level 2	14 credits in Level 1 Geography or HoD approval.  NCEA Level 2
Assessment	By Achievement Standards (production unit standards are also available by negotiation, alongside performance credits).  Up to 18 credits internally assessed  4 credits externally assessed	Industry standards competency based Unit Standards · 18 credits	By Achievement Standards  14 credits internally assessed  8 credits externally assessed
Content	<ul> <li>Apply drama techniques in a scripted context.</li> <li>Devise and perform a drama to realise an intention</li> <li>Discuss a drama or theatre form or period with reference to a text</li> <li>Use complex performance skills associated with a drama or theatre form or period</li> <li>Examine the work of a playwright</li> </ul>	Students need to complete theory booklets and practical project demonstrating the following:  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 Throughout the year students will follow plans to build a 200cc grass kart  There will be a fee to cover the cost of take-home materials used by the student on this course.	<ul> <li>Natural Landscapes</li> <li>Skills – mapping, graphing and valuing</li> <li>Geographic Research</li> <li>Contemporary Issues</li> <li>Urban patterns</li> </ul> There will be field trips.
Contact	Mrs A. Lee-Cooper	Mr L. Dainty	Mr M. Troost

Course Title	Level 2 Health	Level 2 History	Level 2 Hospitality Academy
Entry	14 credits at Level 1 Physical Education or Level 1 Health or HoD approval.	Successful completion 14 credits of Level 1 History, or HOD approval. (Note: History does require confidence with reading and writing in order to be successful).	Priority will be given to students that have gained 14 credits in Level 1 Hospitality, or at the discretion of the HOD.
Qualification	NCEA Level 2	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards  · 14 credits internally assessed  · 4 credits externally assessed	By Achievement Standards  • 14 credits internally assessed  • 9 credits externally assessed	By Unit Standards  · 24 credits  · Café practical's
Content	<ul> <li>Analyse an adolescent health issue</li> <li>Evaluate factors that influence people's ability to manage change</li> <li>Take action to enhance an aspect of people's wellbeing within the school or wider community</li> <li>Analyse issues related to sexuality and gender to develop strategies for addressing the issues</li> </ul>	The first half of the course is spent researching and writing about topics relating to New Zealand history. Each student chooses a topic reflective of their own interests. The second half of the course explores the events surrounding a broader historical topic (tbc). Assessments focus on developing the following skills:  • Using research methods to find useful information about topics  • Presenting that research in written form  • Interpreting evidence to help us understand historical topics  • Understanding how different people view events differently  • Understanding the causes and consequences of a key event	Students will work with industry-based standards from workbooks designed by Service IQ. There will be written and practical assessments to show competency in the following skills in a workplace setting:  • Food Safety and Hygiene  • 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 Students will be required to do shifts in cafe
Contact	Ms L. Parkinson	Ms A. Bosch	Mrs N. Kemp

Course Title	Level 2 Media Studies	Level 2 Music	Level 2 Photography
Entry	Students must have a sound understanding of English and good results in this subject.	14 credits in Level 1 Music or approval from HoD if Level 1 Music was not taken.	Prerequisite Level 1 English. Level 1 credit attainment will be considered if the class becomes oversubscribed.
Qualification	NCEA Level 2	NCEA Level 2	NCEA Level 2
Assessment	By Achievement Standards  • 19 credits internally assessed  • 4 credits externally assessed	By Achievement Standards (others may be available by negotiation)  • 16 credits internally assessed  • 4 credits externally assessed	By Achievement Standards  · 8 credits internally assessed  · 12 credits externally assessed
Content	The course involves the design and production of a media product (short film or radio show) through the study of genre, for a target audience. Students analyse media texts and write a media portfolio.  •Demonstrate understanding of an ethical issue in the media  •Demonstrate understanding of representation in the media  •Demonstrate understanding of the relationship between a media product and its audience  •Produce a design and plan for a developed media product, using a range of conventions  •Write developed media text for a specific target audience  •Develop a media product from a design and plan a range of media conventions	Perform two pieces to an audience as an individual  • Perform one piece to an audience in a group  • Develop an advanced understanding of theoretical concepts in music scores  • Compose two pieces of original music	Students in this course spend the year working towards completion of two photography folio boards that have three achievement standards attached.  • 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  This course is ideal for students wanting a career in the following but not limited to: artist, photographer, promotional advertising, journalist, director, editor, film/television camera operator.
Contact	Mrs T. Christie	Mr J. Stevenson	Mrs R. Barclay-Clist

Course Title	Level 2 Physical Education	Level 2 Physics	Level 2 Primary Industries Trade Academy
Entry	14 credits at Level 1 or HoD approval.	Achieved or better in at least 4 Level 1 Science Standards.	Students can apply or be invited to join this class after successful completion of Level 1 Primary Industries 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	NCEA Level 2
Assessment	By Achievement Standards · 19 credits internally assessed	By Achievement Standards      6 or 7 credits internally assessed     12 credits externally assessed	By Unit Standards  · 29 credits internally assessed
Content	<ul> <li>Methods and principles of training</li> <li>Functional anatomy and biomechanics</li> <li>Skill learning and psychological skills</li> <li>Safe practice in outdoor activity</li> <li>Leadership skills in groups and teams</li> </ul>	<ul> <li>Practical physics – experimental techniques or physics in a selected context</li> <li>mechanics</li> <li>Electricity and electromagnetism</li> <li>Atomic and nuclear physics</li> </ul>	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 1 day a week in the workplace where they will be expected to gain on the job credits. They can try more than 1 workplace. This programme will contain at least 40 credits at Level 2.  The aim is to achieve the Level 2 Certificate in any of the following options: Horticulture/Dairy Farming/Equine/Livestock Farming.  Students will have the opportunity to attend Fencing and Pest Control courses where they can gain skills and credits
Contact	Mr B. Alison	Mr I. Catubigan	Mr M. Troost 45

Course Title	Level 2 Sports Leadership	Level 2 Te Reo Māori	Level 2 Tourism
Entry	HOD approval.	At least 14 credits gained in Level 1 Te Reo Māori.	14 credits in Level 1 Geography or HoD approval.
Qualification	NCEA Level 2 & 3	NCEA Level 2	NCEA Level 2
Assessment	By Unit Standards • 21 credits internally assessed	By Achievement Standards  16 credits internally assessed  6 credits externally assessed	By Achievement Standards  • 14 credits internally assessed  • 8 credits externally assessed
Content	<ul> <li>Adventure base learning</li> <li>Planning a recreation activity</li> <li>Planning and organisation</li> <li>Coaching</li> <li>Exercise prescription in resistance training</li> </ul>	Further developing conversational, formal speaking, writing, performance skills and an increased understanding of tikanga Māori through the study of the topics and events of National significance.	<ul> <li>Natural Landscapes</li> <li>Skills – mapping, graphing and valuing</li> <li>Geographic Research</li> <li>Contemporary Issues</li> <li>Urban patterns</li> </ul>
Contact	Mr B. Alison	Whaea Whetu / Ms K. Fleming	Mr A. Cooling

Course Title	Level 2 Visual Art (Painting)
Entry	A minimum of 10 credits in Level 1 Art, Level 1 English or at the discretion of the HoD.
Qualification	NCEA Level 2
Assessment	By Achievement Standards
	<ul> <li>8 credits internally assessed</li> </ul>
	· 12 credits externally assessed
Content	Students in this course spend the year working towards completion of two painting folio boards that have three achievement standards attached.  • 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  This course is ideal for students wanting a career in the following, but not limited to:  Fine art – artist architecture, archivist, concept art, art director, curator, body artist, tattooist, florist, interior designer, signwriter, exhibition technician, landscaper, architect.
Contact	Mrs R. Barclay-Clist

# 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 HoDs in your decision making.

## A level 3 programme of study must include 5 or 6 option subjects. Examples:

Five options at NCEA Level 3 plus a study class Four options at NCEA Level 3 plus two at NCEA level 2 5 options at NCEA Level 3 plus a correspondence subject

Year 13 students are entitled to a study class option only if they are completing a full NCEA Level 3 programme.

#### **UE Approved Subject List includes:**

Digital Technology

Art Design English Physical Education
Biology Geography Physics
Business History Science
Calculus Mathematics Statistics
Chemistry Media Studies Technology

**Music Studies** 

Te Reo Māori

Drama Painting (Art)
Economics Photography (Art)

See <a href="http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/approved-subjects/">http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/approved-subjects/</a> for a full list of approved subjects for university entrance.

### **Preferential Entry to University**

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

The Preferential Entry Score or Rank 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: Mrs Cotching on nicky.cotching@otamatea.school.nz

Course Title	Level 3 Art Design	Level 3 Biology	Level 3 Business Studies
Entry	8 Art Design, Photography or Painting credits at Level 2.	Achieved or better in at least three Level 2 Biology achievement standards or approval from HoD.	Achieved or better in at least 14 credits from Level 2 Business Economics, or at the discretion of the HoD.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards  · 8 credits internally assessed  · 14 credits externally assessed	By Achievement Standards  · 9 credits internally assessed  · 9 credits externally assessed	By Achievement Standards  12 credits internally assessed  8 credits externally assessed
Content	Students in this course spend the year working towards completion of three graphic design folio boards that have three achievement standards attached. The main area of study is computer generated graphic design where students will learn how to create logos and brand concepts, magazine spreads, posters, merchandise and packaging design.  Students will use the Adobe Creative Suite (Photoshop, InDesign, Illustrator) to generate work. Design can utilise a range of approaches including a hand drawn illustration, collage, photography and digital processes following a design process.  The course is ideal for students wanting a career in graphic design, architecture, product design, animation, gaming arts, web design, concept art, branding and marketing design.	<ul> <li>Human Evolution</li> <li>Biotechnology</li> <li>Socio-scientific issue</li> <li>Homeostasis</li> <li>Plant and Animal responses to the environment</li> </ul>	<ul> <li>Carry out, with consultation, an innovative and sustainable business activity</li> <li>Analyse a human resource issue affecting businesses</li> <li>Address a complex problem in a global context</li> <li>Demonstrate understanding of how internal factors interact within a business that operates in a global context</li> </ul>
Contact	Mrs T. Christie	Mr C. Townshend	Mrs R. Baker

Course Title	Level 3 Chemistry	Level 3 Construction	Level 3 Design & Visual Communication (Graphics)
Entry	Achieved or better in at least three Level 2 Chemistry achievement standards of which one must be achieved by external examination or approval from HoD.	Completion of: Level 2 Wood Technology Level 2 Engineering Level 2 Construction	Successful completion of Level 2 Design & Visual Communication or by interview with HOD
Qualification	NCEA Level 3	NCEA Level 3 Building Construction and Allied Trade Skills	NCEA Level 3
Assessment	By Achievement Standards  · 9 credits internally assessed  · 10 credits externally assessed	By Unit Standards • 18 credits internally assessed	By Achievement Standards  12 credits internally assessed  4 credits externally assessed
Content	<ul> <li>Bonding and Structure</li> <li>Thermochemistry</li> <li>Redox reactions</li> <li>Spectroscopic chemistry</li> <li>Patterns in the periodic table</li> <li>Chemistry in our World</li> </ul>	Students will learn advanced skills in the building trade and will complete 2 quality projects, as well as working through a range of theory-based assignments on:  • Safe working practises  • Develop knowledge of material's  • Mathematics in the building industry  There will be a fee to cover the cost of take-home materials used by the student on this course.	Students will develop design ideas generated by a variety of starting points. Projects are student selected and will continue throughout the year to build a portfolio of a resolved product idea. A final exhibition will showcase the students' work.
Contact	Mrs N. Cotching	Mr L. Dainty	Mr L. Dainty

Course Title	Level 3 Drama	Level 3 Digital Technology	
Entry	14 credits in Level 2 Drama. Experience in theatre/drama performance or drama teacher approval.	Successful completion of a Year 12 technology option as determined by their teacher. Those who did Level 2 digital technologies will be given priority.	
Qualification	NCEA Level 3	NCEA Level 3	
Assessment	By Achievement Standards  Up to 22 credits internally assessed  4 credits externally assessed	By Achievement Standards  12 credits internally assessed  6 credits externally assessed	
Content	<ul> <li>Interpret scripted text to integrate drama techniques in performance</li> <li>Devise and perform a drama to realise a concept</li> <li>Interpret a prescribed text to demonstrate knowledge of a theatre form or period</li> <li>Demonstrate understanding of the work of a drama or theatre theorist or practioner</li> <li>Perform a substantial acting role in a significant production</li> <li>Apply skills in production such as makeup, stage management, set design, lighting, sound, costume</li> </ul>	<ul> <li>Use complex programming techniques to develop a computer program</li> <li>Use complex processes to develop a digital technologies outcome</li> <li>Analyse an area of computer science</li> <li>Present a reflective analysis of developing a digital outcome</li> </ul>	
Contact	Mrs A. Lee-Cooper	Mr L. Dainty	

Course Title	Level 3 Engineering	Level 3 English: Academic	Level 3 English: General
Entry	14 credits at Level 2 Engineering.	Entry requires 14 credits, including external credits in Year 12 and Level 2 UE Literacy credits (5 reading, 5 writing), or HoD approval.	No prerequisite. Recommended for those students who want to gain UE Literacy credits.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Unit Standards · 14 credits	By Achievement Standards  · 14 credits internally assessed  · 8 credits externally assessed (option of 4 extra credits)	By Achievement Standards & Unit Standards  16 credits internally assessed
Content	Students will undertake the task of fabricating from basic materials a working model steam engine.  There will be a fee to cover the cost of take-home materials used by the student on this course.	<ul> <li>Response to studied written texts</li> <li>Response to studied visual or oral texts</li> <li>Response to unfamiliar texts</li> <li>Produce a selection of fluent and coherent writing</li> <li>Respond critically to significant connections across texts</li> <li>Create a visual OR an oral text</li> </ul>	<ul> <li>Produce a selection of crafted writing</li> <li>Oral presentation</li> <li>Report writing</li> <li>Interview skills</li> <li>Personal Reading (depending on credits needed)</li> </ul>
Contact	Mr L. Dainty	Mr D. George	Mr D. George

Course Title	Level 3 Geography	Level 3 Health	Level 3 History
Entry	14 credits in Level 2 Geography or HoD approval.	12 credits at Level 2 Health or approval of HoD.	Successful completion (14 credits) of Level 2 History or HoD approval. (Note: History does require some confidence with reading and writing in order to be successful).
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards  · 14 credits internally assessed  · 8 credits externally assessed	By Achievement Standards · 14 credits internally assessed · 5 credits externally assessed	By Achievement Standards  15 credits internally assessed  10 credits externally assessed
Content	<ul> <li>Geographic environment</li> <li>Skills – mapping, graphing and valuing</li> <li>Planning an event/contemporary events</li> <li>Contemporary issues</li> <li>Global study</li> <li>Geographic research</li> </ul>	<ul> <li>Analyse a New Zealand health issue</li> <li>Analyse an international health issue</li> <li>Evaluate health practices currently used in New Zealand</li> <li>Analyse a contemporary ethical issue in relation to well being</li> </ul>	The first half of the course is spent researching and writing about topics relating to New Zealand History. Each student chooses a topic reflective of their own interests. The second half of the course explores the events surrounding a broader historical topic (tbc).  Assessments focus on developing the following skills:  Using research methods to find useful information about topics  Presenting that research in written form  Interpreting evidence to help us understand historical topics  Understanding how different people view events differently  Understanding the causes and consequences of a key event
Contact	Mr T. Baker	Ms L. Parkinson	Ms A. Bosch

Course Title	Level 3 Hospitality Academy	Level 3 Mathematics with Calculus	Level 3 Mathematics General
Entry	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).	Minimum of 14 credits at Merit from Level 2 Mathematics including achievement in external standards 91261 Algebra and 91262 Calculus.	Minimum of 14 credits from Level 2 Mathematics or with approval from HoD.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Unit Standards  · 20 – 45 credits  · Café Practicals	By Achievement Standards · 24 credits	By Achievement Standards · 20 credits
Content	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:  · Food Safety · Barista students will be required to do shifts in D5 cafe · Commercial kitchen topics including pasta, egg dishes, baking and complex sandwich making	<ul> <li>Systems of Equations</li> <li>Linear Programming</li> <li>Critical Path Analysis</li> <li>Trigonometry</li> <li>Differentiation</li> <li>Integration</li> </ul>	<ul> <li>Systems of Equations</li> <li>Linear Programming</li> <li>Critical path Analysis</li> <li>Bivariate Data Analysis</li> <li>Trigonometry</li> <li>Probability Concepts</li> </ul>
Contact	Mrs N. Kemp	Ms C. Clock	Ms C. Clock

Course Title	Level 3 Media Studies	Level 3 Music	Level 3 Photography
Entry	Students must have a sound understanding of English and good results in this subject. Level 2 Media Studies or at HoD approval.	12 credits in Level 2 Music or approval from the HoD.	8 Photography or Painting credits at Level 2. Level 1 or 2 English Analysis Skills.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards  · 18 credits internally assessed  · 4 credits externally assessed	Each student completes an individual programme which consists of a combination of Achievement standards and Unit Standards	By Achievement Standards  · 8 credits internally assessed  · 14 credits externally assessed
Content	This course involves the design and production of a media product (short film or radio show) through the study of genre, for a target audience. Students analyse media texts and write a media portfolio.  Demonstrate understanding of an aspect of media industry Analyse a significant development in the media 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> <li>Perform two musical programmes to an audience as an individual</li> <li>Perform one musical programme to an audience as a group</li> <li>Examine harmonic and tonal conventions in a music score</li> <li>Choose between composing original music or writing songs.</li> </ul>	Students in this course spend the year working towards completion of three photography folio boards that have three achievement standards attached.  • Use practical work to demonstrate an understanding of photographic conventions  • 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  This course is ideal for students wanting a career in the following, but not limited to: artist, photographer, promotional advertising, journalist, director, editor, film/television camera operator.
Contact	Mrs T. Christie	Mr J. Stevenson	Mrs R. Barclay-Clist

Course Title	Level 3 Physical Education	Level 3 Physics	Level 3 Statistics and Probability
Entry	14 credits at Level 2 or by the approval of HoD.	Achieved or better in at least three Level 2 Physics achievement standards or approval from HoD.	Minimum of 14 credits from Level 2 Mathematics and Statistics, including at least two of 91263, 91264, 91266, 91267 and 91268 at Merit level or above; or with approval from HOD. Students must also have met the requirements for UE Literacy.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards  18 credits internally assessed	By Achievement Standards  6 or 7 credits internally assessed  12 credits externally assessed	By Achievement Standards - 20 credits
Content	<ul> <li>Plan and evaluate your own personal exercise programme</li> <li>Appraise and evaluate performance in a physical activity</li> <li>Analyse safety issues in outdoor activities</li> <li>Perform a physical activity to a nationally developed standard</li> <li>Evaluate physical activity experiences and devise strategies for life long well being</li> </ul>	<ul> <li>Practical physics – advanced experimental techniques or socio scientific context</li> <li>Rotational motion, energy and forces</li> <li>Mechanical systems</li> <li>Electricity, electromagnetism, electrical systems</li> <li>Modern physics</li> <li>Application of Physics to a selected context</li> </ul>	<ul> <li>Bivariate data analysis</li> <li>Statistically Based Reports</li> <li>Formal Inference</li> <li>Probability Concepts</li> <li>Time series Analysis</li> </ul>
Contact	Mr B. Alison	Mr I. Catubigan	Ms C. Clock

Course Title	Level 3 Te Reo Māori	Level 3 Tourism	Level 3 Visual Art (Painting)
Entry	14 credits in Level 2 Te Reo Māori.	Level 3 students who have previously taken Level 2 tourism must have successfully completed Level 2.	8 credits in Level 2 Visual Art. Level 1 or 2 English Analyses Skills.
Qualification	NCEA Level 3	NCEA Level 3	NCEA Level 3
Assessment	By Achievement Standards  16 credits internally assessed  6 credits externally assessed	By Unit Standards  18 credits internally assessed	By Achievement Standards  · 8 credits internally assessed  · 14 credits externally assessed
Content	Students are required to build a portfolio of evidence showing their understanding of Te Reo Māori in listening, speaking, reading and writing.  The course is based on kaupapa of international significance and how they impact on Aotearoa.	<ul> <li>Knowledge of Australia as a tourist destination</li> <li>Knowledge of New Zealand as a tourist destination</li> <li>Knowledge of the Pacific Islands as a tourist destination</li> <li>The opportunity to do a variety of Maori Tourism standards</li> </ul> Optional Rotorua trip cost of \$160 approximately (for accommodation, transport and food).	Students in this course spend the year working towards completion of three painting folio boards that have three achievement standards attached.  • Use practical work to demonstrate an understanding of painting conventions  • 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  This course is ideal for students wanting a career in the following, but not limited to: Fine art – artist architecture, archivist, concept art, art director, curator, body artist, tattooist, florist, interior designer, signwriter, exhibition technician, landscaper, architect.
Contact	Whaea Whetu / Ms K. Fleming	Mr M. Troost	Mrs R. Barclay-Clist