

**Mercury Bay Area School Programme & Pathways Guide
Year 11-13 2017**

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Dear Students and Families

Here is our Pathways and Programme Guide for 2017 which presents programmes of learning that will allow our students to explore pathways and qualifications leading to Certificates in NCEA to Levels 1, 2, and 3.

Over recent years, the flexibility of taking multi-level (NCEA Levels 1, 2, and 3) courses in the one year has been made possible and therefore increased the chances of individually tailoring groups of programmes to meet our students' needs and aspirations. We have also been able to introduce school-based courses to take advantage of our students' unique characters and strengths. Our 2017 student programmes will include those developed specifically for NCEA qualifications, including those provided by other accredited educational institutions. Our special school-based courses are the Marine Academy, Outdoor Education, Gateway, Performing Arts Technology, Marine Technology, the Aeroplane Build, Horticulture, Edu-Caterers, Building and Carpentry Allied Trades Programme, Engineering & Associated Trade Skills programmes and Equestrian Academy.

Additionally we have incorporated information about the six major Vocational Pathways - see page 6. You will see how these pathways are part of all the programmes and courses students can select. This info also assists student, parents and deans in acknowledging potential vocational pathways that maybe of interest in the future.

We are desirous that every student is able to achieve to their potential, be it academic, sporting, cultural or otherwise, and the philosophy of our school is to provide a balanced all-round education to achieve this. The difficulty of trying to provide a wide range of option choices is that there are sometimes significant organisational and timetabling problems which may affect student choice. However, we have found over the years that by individual counselling, along with family involvement, most students are able to work out satisfactory programmes of study.

It is very important that students plan ahead not just into next year but further into the future. Students with a goal for tertiary or university studies need to make sure they are taking courses that will enable them to meet entry requirements. Our Pathways and Programme guide allows students to track forward and identify the route to their intended or prospective course of study to ensure they have the correct course structure to meet their qualification objectives.

The purpose of this booklet is to advertise the full range of programmes available so that students, parents and caregivers can discuss them fully, and subsequently make informed and realistic decisions.

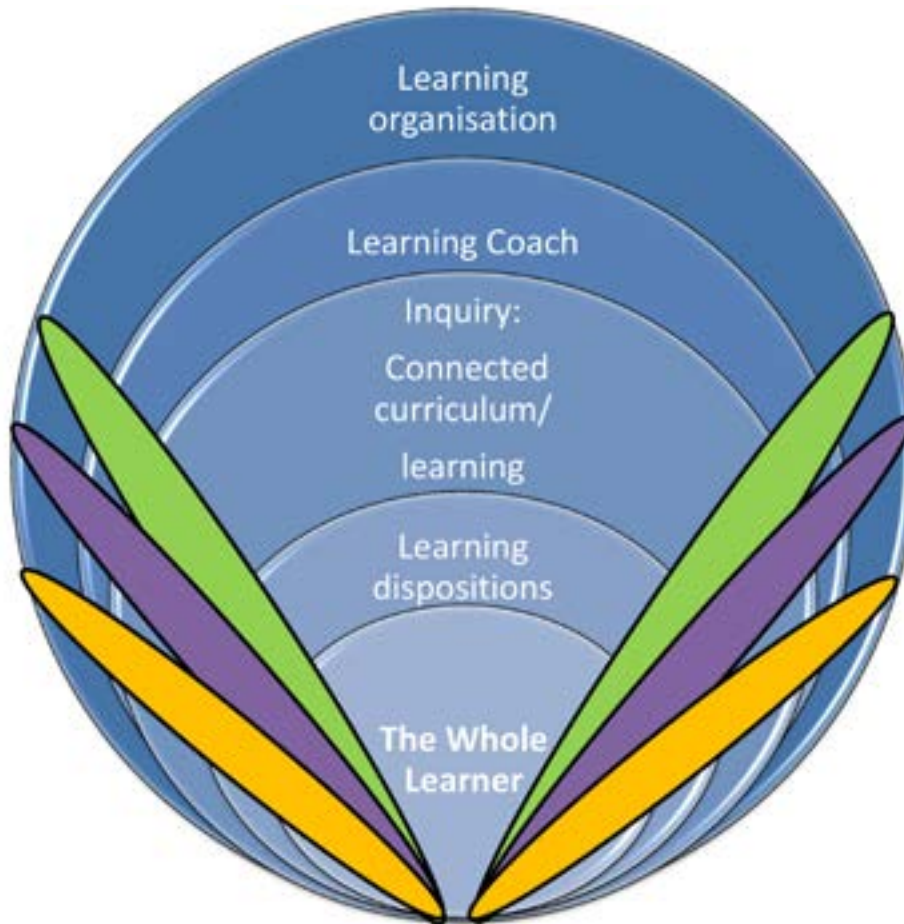
To students we say, do not miss out on the vast opportunities our school provides. It is in your interest not to leave school until you have gained the highest educational qualifications possible and you have a clear career pathway ahead of you. We are here to work alongside you to plan your programme of study and to guide you in the remarkable pathways that lie ahead.

John Wright
Principal

A handwritten signature in black ink, appearing to read 'John Wright', with a large, sweeping flourish above the name.

Please note that a copy of the 2017 Pathways and Programme Guide is available on our website www.mbas.ac.nz

Toward transformative learning and schooling



The three “wings” of gold, mauve and green represent the three pedagogical areas of our school – Primary Years, Middle Years and Senior Years respectively. Gold, to indicate the preciousness and importance of those foundational years of learning and the initial development of key learning dispositions; Mauve to represent the significant challenges faced by our adolescents in this phase of their physical, emotional and intellectual development; and finally Green to represent the period of growth to transition, with qualifications, to adulthood.

All “wings” are centred from the “whole learner” and each traverses equally through the Venn of Learning dispositions that are developmentally appropriate for them in that phase of their growth, through the Venn of Inquiry; Connected learning/curriculum to represent the developmental mode through which they progressively make sense of, and understand more about the world around them, and progressively gather skills and dispositions around them to take them forward; penultimately connecting with their “personalised” Learning Coach.

The Learning Organisation Venn represents the enabler which allows all this to be possible, and is supported by BeL technologies which infuse the whole.

NATIONAL QUALIFICATIONS

NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT (NCEA)

Year 11

In Y11, all students study towards Level 1 NCEA. Assessment is against nationally moderated Achievement Standards achieved through either internal or external assessment. Some courses may include Unit Standards. To achieve NCEA Level 1 students must gain a minimum of 80 credits. These credits must include Level 1 Literacy and Numeracy requirements.

Level 1 NCEA Literacy

Minimum of 10 credits through either:

- Achievement Standards - Specified Achievement Standards at Level 6 of the curriculum. These are available through a range of subjects (minimum total of 10 credits) **or**
- Unit Standards - package of three literacy Unit Standards (total of 10 credits - **all** three required). These standards may be offered in the NCEA Communications Class. (11ENL)
Subject to student need.

Achievement Standards developed for Te Reo Maori are also eligible to count towards the literacy requirement for NCEA Level 1.

Level 1 NCEA Numeracy

Minimum of 10 credits through either:

- Achievement Standards - Specified Achievement Standards at Level 6 of the curriculum. These are available through a range of subjects (minimum total of 10 credits) **or**
- Unit Standards - package of three numeracy Unit Standards (total of 10 credits - **all** three required).
The numeracy requirements will be covered in Y11 mathematics classes, with extra support given as needed.

Year 12

In Y12, students continue to study towards NCEA at either Level 1 or Level 2. Assessment is against nationally moderated Achievement Standards achieved through either internal or external assessment. Some vocational courses will include unit standard qualifications. To achieve NCEA at Level 2, students must gain a minimum of 80 credits, of which 60 credits must be at Level 2, the other 20 credits can be at any level. If students have already gained credits at Level 2 the previous year, then these credits can be reused to go towards the Level 2 certificate. Also, any other credits gained the previous year can be reused as part of the 20 credits at any level needed. There is no prerequisite to have gained a Level 1 certificate prior to gaining a Level 2 certificate, however student must have Level 1 literacy and numeracy.

Y12 and Y13 students need to be aware of the **literacy and numeracy requirements for University Entrance** if they are considering tertiary education.

UE literacy requirements

A minimum of 10 credits at Level 2 or higher. 5 credits must be in Reading and 5 credits must be in Writing. These literacy credits can be achieved from courses of learning in Years 12 and 13. The literacy credits will be selected from a schedule of approved Achievement Standards from across the curriculum at Levels 2 and Level 3. As well as English, subjects that are likely to include literacy standards are Biology, Chemistry, Digital Technologies, Drama, Dance, Economics, Geography, Health, History, Home Economics, Mathematics with Statistics, Media Studies and Physical Education. Please check with the teacher in charge.

Or UE literacy can be achieved through specific Te Reo and Te Reo Rangatira Level 2 standards or two specific Level 4 English for Academic Purposes Unit Standards or an academic literacy common assessment tool (CAT) at Level 3 (no credit value, run by NZQA).

UE numeracy - 10 credits at Level 1 or higher from specified Achievement Standards or three specific numeracy unit standards.

NATIONAL QUALIFICATIONS

NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT (NCEA)

Year 13

In Y13, students study towards NCEA at either Level 1, Level 2 or Level 3. Assessment is against nationally moderated Achievement Standards achieved through either internal or external assessment and vocational unit standards that are internally assessed.

To achieve NCEA at Level 3, students must gain a minimum of 80 credits, of which 60 credits must be at Level 3 standard; the other 20 credits can be at either Level 2 or 3 or higher. If students have already gained credits at Level 2 or 3, then these credits can be reused to go towards the Level 3 certificate. There is no prerequisite to have gained a Level 1 or 2 certificate prior to gaining a Level 3 certificate, but it is recommended.

Certificate Endorsement

Students studying towards NCEA at Level 1, Level 2 and Level 3 are able to achieve their qualifications with Merit or Excellence endorsements. If a student gains 50 credits at Excellence their NCEA will be endorsed with Excellence. If a student gains 50 credits at Merit (or a mix of Merit and Excellence) their NCEA will be endorsed with Merit.

Course Endorsement

Students are also able to achieve a course endorsement. If, in a single year, a student gains 14 or more credits at Merit and or Excellence in a particular course, they will gain endorsement for that course. At least three credits must be from externally assessed standards and three from internally assessed standards (except for Physical Education and Level 3 Visual Arts).

Requirements for University Entrance

University entrance is a useful qualification for Year 13 students even if students don't intend to go to university.

- a minimum of 42 credits at Level 3 or higher on the National Qualifications Framework, including a **minimum of 14 credits at Level 3 or higher in three subjects** from an approved subject list with a further 14 credits at Level 3 or higher taken from no more than two additional domains on the National Qualifications Framework or approved subject. The list of approved subjects is available online through the NZQA website, www.nzqa.govt.nz
- a minimum of 10 literacy credits at Level 2 or higher; 5 credits must be in Reading and 5 credits must be in Writing. The literacy credits will be selected from a schedule of approved Achievement Standards and Unit Standards.
- a minimum of 10 credits at Level 1 or higher in Mathematics on the National Qualifications Framework

Scholarship

Scholarship is an additional qualification for the highest achieving students. The award comprises a separate set of examinations or is provided as an extension option to the Level 3 National Certificate examinations. All scholarship papers are externally assessed and the assessment will be used to determine the top academic scholars nationally, both in single subjects and overall. The scholarship consists of a monetary reward. For more information refer to the NZQA website, www.nzqa.govt.nz

Choosing your options

Students are strongly advised to consider subject choices and to plan future course pathways carefully. Students should consult subject teachers, their Dean and the careers adviser before making their final decisions. Students are advised to follow a broad based general course of study for as long as possible.

Advice on all courses is available from the respective Curriculum Leaders (CL). This Pathways and Programme Guide gives details of those courses.

Our belief is that our students should have every opportunity to study in virtually every learning area available.

We are able to offer a number of opportunities to students to complete courses that we are not able to offer in our school. These may be courses for mainstream school subjects that are not available for the student here, special interest courses, specialist or advanced courses and vocational courses.

Please refer to our Vocational Pathway diagram and key on each page to confirm pathways for your subject choices.

We will consider supporting students in courses offered by outside providers if a learning need is identified and if the course offers further qualifications for our students. Often, these courses enable our students to further some of their vocational and learning pathways.

The two main distance learning providers are the Correspondence School and the Virtual Learning Network. Please consult their websites for a list of possible courses.

The Correspondence School www.correspondence.school.nz/subjects-and-courses

The Virtual Learning Network www.virtuallearning.school.nz

Students should consult their Dean and/or Mr Smith (DP - Senior Years) in Term 4 if they are interested in completing a Distance Learning course. Enrolments will need to be completed early in the year to ensure a place.

Prerequisites: Students need to have demonstrated independent learning and self monitoring skills. Some courses may have specific entry requirements and costs.

Students wishing to take a distance learning language course must have relevant experience in that language to sign up for the course of study.

Careers Development Programme

Staff to contact: Mr Mike Smith (Grad.Cert. in Career Development) & Mrs Marie Relph

A key role of secondary schools is to prepare students for the future.

The purpose of our careers development programme is to educate and support students with the career development process, enabling them to integrate their academic and life experiences with their career goals and transition to work.

We are developing a school-wide focus to help students identify, plan and strive for their aspirations for the future. This includes career themes over the senior school years such as work place values, creating CVs, preparing for job interviews and promoting informed decision making for future pathways. These themes are also covered in "I" time sessions.

The Careers Facility has a range of resources to assist students in making decisions about future career pathways.

All information is available in our Careers Facility or by contacting our Careers Advisor.

Vocational Pathways

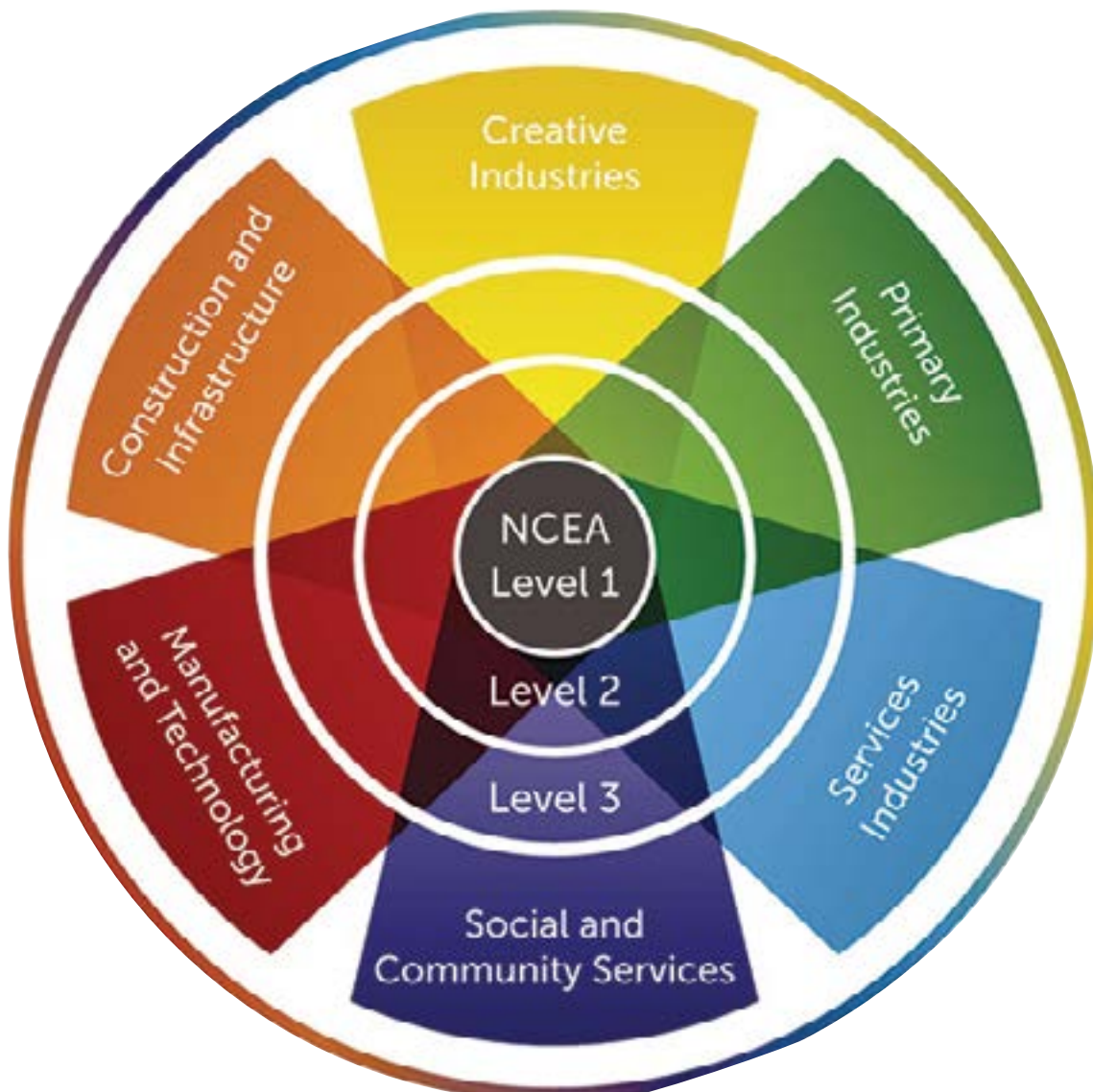
What are the Vocational Pathways?

The Vocational Pathways provide new ways to achieve NCEA Levels 1, 2 and 3 and develop pathways that progress to further study, training and employment. Achieving NCEA Level 2 is the foundation for success in further education and the world of work. Level 3 builds upon this through shared opportunities across school, tertiary, and industry training. The Vocational Pathways provide a framework for students to show how their learning and achievement is valued in the workplace by aligning learning to the skills needed for industry.

The six Vocational Pathways are represented on every page by the colour codes below:

- Primary Industries
- Services Industries
- Social & Community Services
- Manufacturing & Technology
- Construction & Infrastructure
- Creative Industries

NCEA Levels 1 and 2 Vocational Pathways were launched in 2013. This was a result of government agencies, the industry training sector, secondary and tertiary representatives and industry and employer representatives working together. In 2015 NCEA Level 3 Vocational Pathways were also released.



Benefits of using the Vocational Pathways

THE VOCATIONAL PATHWAYS ENABLE YOUNG PEOPLE TO:

- find out the standards, skills and competencies that are valued by employers in particular sectors
- find out the job or career options that are available in each sector
- identify current and future programmes of study that support their career pathways
- undertake a relevant and coherent study programme that will enable them to achieve NCEA Levels 1, 2, and 3
- demonstrate a vocational profile to tertiary providers and employers.

THE VOCATIONAL PATHWAYS ENABLE EDUCATORS TO:

- know the recommended standards valued by employers in particular sectors
- develop relevant and coherent learning programmes that enable young people to achieve NCEA Level 2 with a Vocational Pathways Award, NCEA Level 3 or equivalent, and progress towards further study, training or employment
- share a student's individual vocational profile with parents and whānau so they can more engaged in and support their young person's learning.

THE VOCATIONAL PATHWAYS ENABLE EMPLOYERS TO:

- easily identify when students have the key skills, competencies and qualifications relevant to their sector
- identify a student's strengths and interests that are evident in their learning achievement
- have confidence that students are achieving a foundation education which provides them with the necessary skills to participate in the workplace or move to further learning
- see developments at Level 3 to improve connections between school learning, tertiary study and industry training.

What are the Vocational Pathways made up of?

The six Vocational Pathways improve the relevance of learning for students by indicating how their learning and achievement is valued by broad sectors of the workforce. Each has been colour-coded for ease of recognition to help students and teachers plan study programmes.

Government, industry, and educational representatives selected a range of Level 1 and 2 achievement and unit standards that they believed provide a curriculum foundation in each Vocational Pathway. These are known as Recommended standards.

At Level 2, an additional category has been given to some of the Recommended standards, known as Sector-Related standards. These are standards that are closely related to the Vocational Pathway and require development of skills from, or direct experience in, an industry setting. The make-up of the pathways is important when young people are planning to achieve a Vocational Pathways Award.

At Level 3, achievement standards and Levels 3–7 qualifications have been mapped to the Vocational Pathways.

View the standards and qualifications that have been mapped to the Vocational Pathways [here](#).

Alternatively you can browse the Levels 1 and 2 assessment standards using the standards tool. Select a pathway and then choose a level to see the mapped standards at Vocational Pathways Standards Tool

Vocational Pathways Award

To achieve the the Vocational Pathways Award, students must: achieve NCEA Level 2 which includes literacy (10 credits) and numeracy (10 credits) at Level 1 or above, and achieve 60 Level 2 credits from the Recommended Assessment Standards for Vocational Pathways, including 20 Level 2 credits from Sector-Related Standards for the same sector. Credits from the Recommended Assessment Standards and Sector-Related Standards must come from the same Vocational Pathway e.g Primary Industries.

Students can achieve more than one Vocational Pathways Award if they complete more than one Vocational Pathway. Students are able to request their Vocational Pathways Award from NZQA. This will enable students, such as those currently working towards achieving a Vocational Pathway in Youth Guarantee programmes, the option to be awarded their vocational pathway.

All students have automatic access to their Vocational Pathway Awards(s).

Gateway Programme

Staff to contact: Mike Smith/ Marie Relph



Year 12-13

NCEA Level 2-3

Students who are interested in taking part in our Gateway programme as an option will undergo an interview process with Mr Smith. Students must have a high level of motivation, strong self-management skills, a vocational focus and be prepared to represent the school with pride in their work placement.

The Gateway Programme is a course that involves structured workplace learning. As part of their Gateway Learning Plan, students will complete generic employment unit standards at school and then after approximately 6-7 weeks will undertake a work placement. Work placements can run for three terms and can take place for a full day each week. Student's learning and achievement in the workplace is assessed against unit standards in the National Qualifications Framework. Depending on the vocational pathway the student is interested in, she/he will be completing unit standards from Level 1-3.

Aims of the gateway programme:

- make progress towards qualifications in a chosen career
- clarify tertiary education courses
- confirm, or eliminate a career choice before undertaking expensive further training
- gain specific vocational skills leading to further employment including apprenticeships

Staff to contact: K Johansen-Kerr (Learning Support Coordinator)

Year 9-13 SPEC - South Pacific Educational Courses (Courses for Supported Learning)

SPEC courses provide an exciting alternative pathway to ensuring students have success. The emphasis is on co-operation and collaboration, rewarding achievement and assisting progression of learning. The Supported Learning Certificate qualification provides a creditable outcome for students who will not achieve at NCEA Level 1.

Prerequisites: Y9-13 Ministry Funded students
Recoveries: \$25.00 towards the cost of workbooks

Year 11-13 New Zealand Certificate in Skills for Living for Supported Learners (with an optional strand in Skills for Working)

This qualification is intended for learners who require some form of support with their learning either through additional resources, specialised equipment or adapted teaching programmes. They are people with learning disabilities and include those with intellectual disability.

Graduates will have the skills and knowledge for self-mahaged participation in everyday life in social, cultural, family/whanua and community contexts, with supervision. This includes the ability to apply these skills in educational and work contexts.

Prerequisites: Y11-13 Ministry Funded students
Recoveries: \$15.00 towards the cost of workbooks

Year 11-13 Mercury Bay Area School Certificate in Work Skills

The aim of the MBAS Certificate in Work Skills is to help students develop and demonstrate a range of skills through work-related activities and studies. The course provides a way in which students can gain credit for what they have learnt from the wide variety of activities undertaken in both inside and outside formal education.

Prerequisites: Ministry Funded students
Recoveries: \$20.00 towards the cost of workbooks

The Arts in the New Zealand Curriculum

Drama



Staff to contact: M Wilkinson (Curriculum Leader)

Year 11 Drama NCEA Level 1

This course builds Drama skills through performance. Students will learn about Drama elements, techniques, technologies and conventions along with different theatre types and performance styles. Students will be involved in devising their own performance, studying a theatre form or type and performing in a play in our purpose built mini theatre. Students will be encouraged to see at least one live professional theatre performance as part of their exam preparation and to extend their own knowledge of theatre. They will also be involved in practical workshops with professionals where possible. Course content and assessment opportunities are confirmed in consultation with students at the beginning of the year to meet the needs and interests of the individuals.

Prerequisite: Successful completion of Year 10 Drama, drama instruction outside of school, or Curriculum Leader approval and a willingness to participate and learn.

Recoveries: Approximately \$30 to cover travel and entrance fees to live professional theatre performances
- will vary depending on location and ticket price.

Year 12 Drama NCEA Level 2

This course develops the skills gained in Level 1 Drama and is performance based. Students will extend their drama skills, knowledge of theatre theories and performance, and apply this understanding to their own performances. They will devise their own drama, interpret scripts for performance, study a theatre form and perform a significant role in a class play in our purpose built mini theatre. Students will be encouraged to see at least one live professional theatre performance as part of their exam preparation and to extend their own knowledge of theatre. They will also be involved in practical workshops with professionals where possible. Course content and assessment opportunities are confirmed in consultation with students at the beginning of the year to meet the needs and interests of the individuals.

Prerequisite: Successful completion of the Level 1 Drama or Curriculum Leader approval and Level 1 Literacy

Recoveries: Approximately \$30 to cover travel and entrance fees to live professional theatre performances
- will vary depending on location and ticket price.

Year 13 Drama NCEA Level 3

This course extends the skills gained in Level 2 Drama and is performance based. Students will devise their own original drama, perform individually and in groups and will be involved in performing a significant play in our purpose built mini theatre to a live audience. There may be opportunities for students to explore the skills involved in writing scripts and directing performances. They will be encouraged to attend live professional theatre as part of their exam preparation and to extend their own understanding of theatre. They will also be involved in practical workshops with theatre professionals where possible. Course content and assessment opportunities are confirmed in consultation with students at the beginning of the year to meet the needs and interests of the individuals.

Prerequisite: Successful completion of the Level 2 Drama course or Curriculum Leader approval.

Recoveries: Approximately \$60 to cover travel and entrance fees to live professional theatre performances
- will vary depending on locations and ticket prices.

Pathways: Drama is an approved subject for University Entrance. Students who study Drama can continue their study at tertiary institutions in Theatre Arts, Performance Arts Studies and Theatre and Film Studies. The study of Drama can lead to work in the theatre, film and entertainment industries. It also provides skills that are beneficial in many areas of study such as Law, Education, History and other Humanities subjects.

Music



Staff to contact: D Mulholland

Year 11 Music NCEA Level 1

This course includes solo and group performance, composition, aural and theory skills and you may also develop skills on demonstrating knowledge of two music works from contrasting contexts. Music technology is integral to the course and involves gaining skills in music editing, composing and recording software. There will be some flexibility within the course to allow for students to choose which areas of music they wish to specialize in and to follow that path, this direction and selection of standards will be decided upon in consultation with the teacher. Students will also be given opportunities to attend relevant workshops, camps and festivals.

Prerequisites: To take the NCEA Level 1 music course the student must have successfully completed Year 10 music or have been taking private/itinerant lessons for at least 2 years

Recoveries: \$15 towards the costs of sheet music, maintenance and CDs/DVDs for recording. There may be additional costs for workshops, camps etc.

Year 12 Music NCEA Level 2

This course offers students the opportunity to study in greater depth the skills and conventions of performance, composition, instrumentation, aural and theory skills and musical knowledge. There will be some flexibility within the course to allow for students to choose which areas of music they wish to specialize in and to follow that path, this direction and selection of standards will be decided upon in consultation with the teacher. Students will also be given opportunities to attend relevant workshops, camps and festivals.

Prerequisites: To take the NCEA Level 2 music course the student must have successfully completed Year 11 music or have been taking private/itinerant lessons for at least 3 years

Recoveries: \$15 towards the costs of sheet music, maintenance and CDs/DVDs for recording. There may be additional costs for workshops, camps etc.

Year 13 Music NCEA Level 3

This course continues on from the Level 2 course with an emphasis on extended performance, substantial composition and arrangement or music research. Students have the opportunity to explore these conventions in real depth through a mixture of relevant Achievement Standards from two domains: Making Music and Music Studies. Students will have the opportunities to perform in school and community events. Students will also be given opportunities to attend relevant workshops, camps and festivals.

Prerequisites: To take the NCEA Level 3 music course the student must have successfully completed Year 12 music or have been taking private/itinerant lessons for at least 4 years.

Recoveries: \$15 towards the costs of sheet music, maintenance and CDs/DVDs for recording. There may be additional costs for workshops, camps etc.

Performing Arts Technology



Staff to contact: M Wilkinson (Curriculum Leader)

Year 11 Performing Arts Technology NCEA Level 1

This course balances theory and practical application of Performing Arts Technologies. Students will learn about stage lighting, sound, costume, make up and props. They will then design, construct and carry out these skills in a practical way supported by a record of their learning. Students will be able to demonstrate these skills in real life situations through the Performing Arts here at the school and in the wider community. They may be involved in technical roles for a number of events such as senior drama, dance and music productions as well as special events like Stage Challenge. Students will be involved in practical workshops with professionals where possible.

Pre-requisite: The course is open to all Year 11 students.

Year 12/13 Performing Arts Technology NCEA Level 2

This course develops and extends the skills and knowledge gained in Level 1 PAT. Students will explore in greater depth the theory and application of technologies used in the Performing Arts. These include costume, set design and construction, stage lighting, sound, make-up and production responsibilities. Assessments will include sector related standards that can lead to a Vocational Pathways Award within the Creative Industries Pathway while also preparing them for opportunities within the industry.

Prerequisite: This course is open to all Year 12 students. Preference will be given to students who have already successfully completed Level 1 PAT or Drama, Dance or Music courses.

Year 13 Performing Arts Technology NCEA Level 3

This course extends the skills and knowledge gained in Level 2 PAT. Students will learn about enhancement processes and technologies for both stage lighting and sound applications. They will develop knowledge and skills valued in the creative industry focussing on creativity, production and design methods to expand on their practical knowledge gained in previous years. Students are also encouraged to take leadership of production roles such as Stage Manager in school or community based performances.

Pre-requisite: The course is open to all Level 3 students who have already successfully completed the Level 1 and/or Level 2 courses.

Pathways: Performing Arts Technology can lead to studies at tertiary institutions and gives excellent preparation for study at the national drama school, Toi Whakaari. Options for study are in Creative Technologies, Media Organisation, Theatre Studies, Theatre Management, Directorships, Theatre Technicians, a Bachelor in Design, a Diploma in Performance Technologies. It also provides a base for employment in the film and entertainment industry.

Dance



Staff to contact: E Fletcher

Year 11 **Dance** **NCEA Level 1**

In this practical course students will learn about a range of different dance genre, the elements of dance and dance vocabularies. Students will develop skills in performing, choreographing and responding to a range of dance types, both historical and contemporary. They will extend personal movement skills knowledge and prepare and present their dances, with an awareness of the reasons for their performance. Students will participate in a number of public performances over the year, showcasing their knowledge of a range of dance types.

Prerequisite: Successful completion of Y10 Dance or instruction from outside school. Students without this experience will be required to attend a small number of after school dance workshops in Term 1 to catch up on missed learning from Year 10.

Recoveries: \$25 to help cover the cost of material for performance costumes over the year.

Year 12 **Dance** **NCEA Level 2**

In this practical course students will continue to develop skills in performance and composition of dance sequences, both individually and in groups. They will perform a range of dance genres and communicate their understanding of the style through their performance. There will be extension of personal movement skills knowledge and students will prepare and present their dances, with greater awareness of the reasons for their performance. Students will participate in a number of public performances over the year, showcasing their knowledge of a range of dance genres.

Prerequisite: Successful completion of Year 11 Dance or instruction from outside school.

Recoveries: \$25 to help cover the cost of material for performance costumes over the year.

Year 13 **Dance** **NCEA Level 3**

In this practical course students will continue to develop skills in performance and composition of dance sequences for an intended purpose, both individually and in groups. Students will explore and discuss how dance is different when performed as a solo, duet or a group, and choreograph dance pieces appropriately. They will choreograph and perform a repertoire of musical theatre dances and communicate their understanding of the style through their performance. There will be extension of personal movement skills knowledge through investigation, learning of dances, guest tutors and visits to workshops and performances. Students will prepare and present their dances, with greater awareness of the reasons for their performance. Students will participate in a number of public performances over the year, showcasing their knowledge of a range of dance types.

Prerequisite: Successful completion of Year 11 and Year 12 Dance or instruction from outside school.

Recoveries: \$25 to help cover the cost of material for performance costumes over the year.

Pathways: Dance is an approved subject for University Entrance. Dance is a core component of Performing Arts Studies at University and is also integral to studies of human movement within the Bachelor of Physical Education at the University of Otago. Students can study Dance as a major focus of both Arts and Science degrees. Students who study Dance can also find opportunities in education and the theatre, film and entertainment industries.

The Arts in the New Zealand Curriculum

Visual Arts



Staff to contact: J Hoogwerf (Curriculum Leader Visual Arts) and Deans

Year 11-13 Visual Arts courses are optional. At all levels the learning programmes follow the achievement objectives of the Visual Arts in the New Zealand Curriculum. These include students:

- Researching artist model influences and contexts
- Developing their own conceptual ideas for art works
- Using traditional and contemporary art techniques to produce art works

The focus for all Visual Arts courses is to enable students to develop effective and confident visual art skills and to produce original art works.

Year 11 Visual Arts NCEA Level 1

This course is intended for students who are interested in developing their drawing, painting, sculpture, printmaking and mixed media art work skills. Level 1 Visual Arts prepares students for all Year 12 NCEA Level 2 Practical Art courses and in particular, Painting. This course is highly practical, with observational and design drawing, digital drawing and painting using Adobe Photoshop, printmaking, sculpture, painting and mixed media components. Students can choose to complete two internal achievement standards and one external Achievement Standard (presented on a two panel folio).

Prerequisite: None, but completion of Y10 Visual Arts is a definite advantage
Recoveries: \$50.00

Year 11 Photography-Design NCEA Level 1

This course is intended for students who are interested in developing their photography and design skills. This course aims to prepare students for Y12 NCEA Practical Art-Photography and Practical Art-Design. It includes research, design drawing, collage, model making, digital drawing and processing using Adobe Photoshop, macro and staged photography. Students can choose to complete two internal Achievement Standards and 1 external Achievement Standard presented on a two panel folio.

Prerequisite: None, but completion of Y10 Visual Arts is a definite advantage
Recoveries: \$50.00 plus a \$50 bond if Visual Art department cameras are being borrowed overnight. The bond money will be used to help cover any repairs needed if a camera is returned damaged. This bond will be reimbursed at the end of the course if no camera damage has occurred.

Year 12 Practical Art-Painting NCEA Level 2

This course is intended for students who have coped well with NCEA Level 1 Visual Arts or who can demonstrate a passionate interest or background in visual arts. It requires some research but is highly practical. Practical components may include observational and compositional drawing, use of Adobe Photoshop as a drawing tool, digital photography, painting, collage, mixed media and printmaking techniques. Students choose their own theme and subject matter to base their art works on. They are encouraged to research imagery and develop their own conceptual ideas to produce original art works. Students can choose to complete up to 3 internal Achievement Standards and the external Achievement Standard (presented on a two panel folio).

Prerequisite: 12 NCEA Level 1 credits in Visual Arts or by approval of the Curriculum Leader, Visual Arts
Recoveries: \$50.00



Year 12 **Practical Art: Photography** **NCEA Level 2**

This course is intended for students who have an interest in photography and who may wish to continue on with NCEA Level 3 Photography. It includes analogue (traditional film, camera and darkroom skills) and digital photography. Some research is required but the course is highly practical. Practical components include setting up photo shoots, taking photographs, making contact sheets and prints, processing images and using Adobe Photoshop. After the first two internal Achievement Standards which have a portraiture theme, students choose their own theme and subject matter to base their photography on. They are encouraged to develop their own visual ideas and use special effects to manipulate imagery. Students can choose to complete up to 3 internal Achievement Standards and the external Achievement Standard (presented on a two panel folio).

Prerequisite: 12 NCEA Level 1 credits in Visual Arts or by approval of the Curriculum Leader, Visual Arts. Use of a 35mm SLR camera is needed to participate in this course, but this may be borrowed from the Visual Arts Department.

Recoveries: \$50 (paid no later than the end of Term One) Plus a \$50 bond if Visual Arts department cameras are being borrowed. The bond money will be used to help cover any repairs needed if the camera is returned damaged. This bond will be reimbursed at the end of the course if no camera damage has occurred. Additional costs may be incurred but will vary depending on whether the student chooses to work completely digitally or completely in analogue, or a combination of both. Extra costs could be for high quality photographic paper and printing.

Year 12 **Practical Art: Design** **NCEA Level 2**

This course is intended for students who have an interest in Design and want to improve their design skills and who may wish to continue on with NCEA Level 3 Design. Students learn the design process and how to process images using Adobe Photoshop. They may also use hand drawing, collage, digital photography, scanning and printmaking to produce designs. This course includes visual research and two and three dimensional design. It culminates in students producing work on the design theme of their choice e.g. fashion, product, graphic design and illustration. Students can choose to complete up to 3 internal Achievement Standards and the external Achievement Standard (presented on a two panel folio).

Prerequisite: None, but Level 1 NCEA Visual Arts and/or Graphics is a definite advantage.

Recoveries: \$50.00 – To cover printing and quality paper

Year 13 **Practical Art: Painting** **NCEA Level 3**

This course is intended for students who have coped well with NCEA Level 2 Practical Art - Painting and those who want to pursue an interest in painting. This course prepares students for tertiary Creative Technology, Design, Fine Arts, Visual Arts, Architecture, Animation and Media Arts courses. Some research is required but the course is highly practical. Practical components include drawing and painting, using Adobe Photoshop, photography, painting, mixed media and printmaking techniques. Students choose their own theme and subject matter to base their art works on. They are encouraged to visually research and develop their own conceptual ideas to produce original art works. Students can choose to complete up to 3 internal Achievement Standards and the external Achievement Standard (presented on a three panel folio).

Prerequisite: 12 NCEA Level 2 credits in Practical Art or on the approval of Curriculum Leader, Visual Arts

Recoveries: \$50.00

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Year 13 **Practical Art: Photography** **NCEA Level 3**

This course is intended for students who have coped well with NCEA Level 2 Photography and those who want to pursue an interest in photography. It prepares students for tertiary Creative Technology, Media Arts, Photography, Design, Fine Art or Visual Art courses. Students can choose to use analogue processes (traditional film, camera and darkroom) or digital processes. Some research is required but the course is highly practical. Practical components include setting up photo shoots, taking photographs, processing images, making prints, creating special effects and using Adobe Photoshop to manipulate images.

Students choose their own theme and subject matter to base their photography on. They are encouraged to develop their own conceptual ideas and to produce original images. Students can choose to complete up to 3 internal Achievement Standards and the external Achievement Standard (presented on a three panel folio).

Prerequisite: 12 NCEA Level 2 credits in Practical Art or by the approval of the Curriculum Leader, Visual Arts. Use of an analogue or digital 35mm SLR camera is necessary to participate in this course but this may be borrowed from the Visual Arts Department.

Recoveries: By negotiation with the Curriculum Leader, Visual Arts. Students will need to pay for high quality photographic paper and their own printing costs. Plus a \$50 bond if Visual Arts department cameras are being borrowed. The bond will be used to help cover any repairs needed if the camera is returned damaged. This bond will be reimbursed at the end of the course if no camera damage has occurred.

Year 13 **Practical Art: Design** **NCEA Level 3**

This course is intended for students who have coped well with NCEA Level 2 Design and those who have an interest in Design. It prepares students for tertiary Creative Technology Media Arts, Animation, Visual Arts, Architecture and Design courses or who want to improve their design skills. It includes research, hand drawing and computer generated design techniques and two and three dimensional design. Students produce work on the theme and design briefs of their choice. They can choose to complete up to 3 internal Achievement Standards and the external Achievement Standard (presented on a three panel folio).

Prerequisite: 12 NCEA Level 2 Credits in Practical Art or by the approval of Curriculum Leader, Visual Arts

Recoveries: \$60.00 – To cover printing costs and quality paper

Pathways: Practical Art Painting, Photography and Design are all approved subjects for University Entrance. The study of Painting, Photography and Design can lead to work in film, theatre, design, advertising, curation, media, education, the art world, fashion, architecture etc. It also provides skills that are beneficial in most areas of study as it develops critical and creative thinking. These are important skills needed to inspire invention in the 21st century.

English



Staff to Contact: B Wallace (Curriculum Leader)

Our goal in 2017 is to teach the skills of the English curriculum within contexts of interest to particular students. All English courses will provide opportunities for students to achieve credits in English achievement standards. Some courses may also include opportunities to complete assessments from related curriculum areas as relevant. Some courses are multi-level with students completing assessments at the level relevant to their learning.

Year 11:

English

NCEA Level 1

Students should choose one course from the following options

Communications English

This is a foundation course for students who need support to develop their literacy skills to cope with the challenges of NCEA. The focus will be on building skills and confidence in reading, listening and viewing, and communicating ideas in oral, written and visual forms. Assessments will be offered according to the learning needs of the students.

English and the world of sport.

NCEA Level 1

The world of sport provides a rich context for learning about how language works. This course will use the sporting world as a context for developing student skills in reading, writing, speaking, listening, and viewing and presenting. Students will look closely at the language of sport reporting and commentary, and will produce their own oral and written reports. Students will show their information literacy skills through an investigation of a sporting or health issue. We will also look at how the ideas around sport are communicated visually in both static and moving forms, and students will have an opportunity to produce a visual text.

This course would suit students taking PE, Outdoor Ed, Health or any student with a general interest in sport.

English and society

NCEA Level 1

Understanding our place in the world is an important part of growing up. Literature is a powerful tool in developing this understanding. In this course we will look at different voices within society and consider how societal issues impact us and inform our thinking. This will allow us to develop our own unique voice and convey our thinking effectively. Through understanding the ideas in a variety of texts, students will be able to understand connections between text, society and themselves. A focus on reading, writing and viewing film will support students developing sense of the world they live in.

This course would suit students taking Social Studies, History, and Geography or any student with a general interest in their own society and other societies around the world.

English and creativity

NCEA Level 1

Creativity is an important disposition. This course will focus on building the skills of students who enjoy creating texts. Students will explore the crafting of oral, written and visual texts and then have the opportunity to produce their own, choosing forms that interest them such as song lyrics, drama and film scripts, poetry and short stories. Students will look at connecting ideas across texts, and be encouraged to present a creative oral or visual text to show their thinking. Students will also study film and may have the opportunity to produce a short film or music video.

This course would suit students taking drama, media studies, music or any student with an interest in developing their creative use of language.

- All standards offered in these courses count towards Level 1 literacy

Prerequisite: Students should be achieving at curriculum Level 5 or above. Students not achieving at this level will be advised to take the English communications course before attempting English at Level 1.

Recoveries: Students are expected to have \$15.00 in their printing account to cover printing costs.



Year 12: English

NCEA Level 2

Students should choose one course from the following options. All courses will provide opportunities for Level 2 Achievement standards. Some courses will be multi-level and students will complete assessments according to their learning needs.

English and Identity

NCEA Level 2

Our world today revolves around constant media interaction. Television, film, magazines, the internet and various modes of social media all have the ability to make us question ourselves and our identity. This course is focused on understanding the impact this increase in media has had on our sense of self and our place in the world. Students will look at the language associated with media and the ability media has to influence individual perception. Students will have the opportunity to research an issue associated with media impact on identity and develop their own voice through visual text and writing. This course will suit students who are interested in Social Studies, Media and the Arts. It will also suit students who are interested in the role the media plays in modern society.

English Literature

NCEA Level 2

Much of literature throughout history has taught us valuable lessons about people and their place in the world. It is through understanding these enduring ideas that we develop our own sense of self and our voice. Students will look closely at various pieces of written and visual literature throughout time that are still relevant in the ideas they convey, today. This will enable students to make connections between these texts and to consider how these texts inform their own developing opinions. They will also learn to develop their own voice and convey this through both written and oral texts.

This course will suit students who love to read. It will also suit students who are interested in History.

English and gaming

NCEA Level 2

Computer games provide a rich context for learning about language and stories. This course will use the world of gaming as a context for developing student skills in reading, writing, speaking, listening, and viewing and presenting. Students will look closely at the language and narrative structures of selected games and use this as a context for their own writing. Students will show their information literacy skills through an investigation of an issue from the world of gaming. We will also look at the visual communication of ideas in narrative games and provide opportunities for students to produce their own texts. This course would suit students taking any of the computing or graphics and design based subjects or any student with a general interest in computer games.

English for Scientists

NCEA Level 2

It's becoming increasingly important to understand the distinctive language of science. This course will use the context of the biological and physical world to develop skills in document reading, locating, synthesizing and evaluating information, and communicating ideas through written, visual, and oral texts. Students will look closely at conservation and the interaction between the human and natural world in New Zealand. This will be used as a context for their own writing. Students will show their information literacy skills through an investigation of a topical issue from the scientific community. We will also look at the visual communication of ideas in documentary film and provide students with an opportunity to create their own documentary.

This course would suit students with an interest in geographical, biological, and social sciences looking to develop their understanding of sustainability and conservation in New Zealand.

Communications English

This course is for students who wish to continue to develop their functional communication skills, especially in reading and writing.

Prerequisite: Students need to have the language skills to achieve at Level 7 of the curriculum. Entry into English courses at Year 12 will need to be approved by the Curriculum leader to ensure that students choose a course that is relevant to their learning needs.

Recoveries: Students will need to have \$20 in their printing accounts to print assessment work.



English insights

NCEA Level 3

Literacy texts show us the power of language and offer us insights into the world we live in. This literature based course offers students the opportunity to develop their skills in critical reflection about how written, oral, and visual texts work to offer us insights. The course is designed to set students up with the written language and presentation skills that will support their tertiary learning, as well as supporting their growth as citizens of this country and the world.

This is a full Level 3 course designed for students intending to go on to tertiary study.

Students need to have achieved well in Level 2 English and/or Media Studies, and/or Drama

This course will also cover the requirements for Scholarship English.

English for Scientists

NCEA Level 3

It's becoming increasingly important to understand the distinctive language of science. This course will use the context of the biological and physical world to develop skills in document reading, locating, synthesizing and evaluating information, and communicating ideas through written, visual, and oral texts. Students will look closely at conservation and the interaction between the human and natural world in New Zealand. This will be used as a context for their own writing. Students will show their information literacy skills through an investigation of a topical issue from the scientific community. We will also look at the visual communication of ideas in documentary film and provide students opportunity to create their own response to the hypotheses and content.

This course would suit students with an interest in geographical, biological, and social sciences looking to develop their understanding of sustainability and conservation in New Zealand.

English and gaming

NCEA Level 3

Computer games provide a rich context for learning about language and stories. This course will use the world of gaming as a context for developing student skills in reading, writing, speaking, listening, and viewing and presenting. Students will look closely at the language and narrative structures of selected games and use this as a context for their own writing. Students will show their information literacy skills through an investigation of an issue from the world of gaming. We will also look at the visual communication of ideas in narrative games and provide opportunities for students to produce their own texts.

This course would suit students taking any of the computing or graphics and design based subjects or any student with a general interest in computer games.

Prerequisite: Entry into courses needs to be approved by the Curriculum Leader English to ensure that students choose courses that are appropriate to their learning needs.

Recoveries: Students will need to have \$25 in their printing accounts to print assessment work.

English for BCATs students

Students entered into the BCAT's course will have the opportunity to build their literacy skills within the context of their course. BCATs students should choose to take a full English course if they want to gain more than 12 L2 English credits and/or UE literacy.

Media Studies



Staff to Contact: B Wallace (Curriculum Leader)

The media plays an important role in our society and as citizens of a democratic country it is important that young people develop critical media literacy. The media industry, especially film and television is a significant part of our economy, and offers a wide range of career and employment opportunities.

Year 11: Media Studies NCEA Level 1

This course is designed to introduce students to key concepts in media literacy and to provide opportunities for hands-on production of media texts. The course offers a mix of theory and practical credits. Media texts covered will depend on student interest but will include film, television and magazines.

Prerequisite: There is no set prerequisite but students need basic literacy skills, an interest in the media and a commitment to learning.

Year 12: Media Studies NCEA Level 2

This course engages students in thinking about how media texts are constructed and how these texts work to shape our perceptions of the world. Students will be involved in an investigation around media representations and will complete a study of a specific genre. Practical film production is a core part of the course and students are expected to plan and produce a short film.

Prerequisite: Level 1 Literacy. Students will need competent communication skills, an interest in media texts, and a commitment to learning.

Year 13: Media Studies NCEA Level 3

This course explores the reciprocal relationship between media texts and society. The course includes exploring different readings of media texts, an investigation into issues around media representations in New Zealand and a detailed genre study. Practical film making is a core part of the course, and students are expected to plan and produce a short film that draws attention to an issue or idea of concern.

Prerequisite: Students will need competent skills in Level 2 English and/or computing, and an interest in media texts. It is preferable, but not essential, that students have completed Level 2 Media Studies.

Recoveries Students are expected to have funds in their printing account to cover the costs of printing assessment and course material

Health and Physical Education in the New Zealand Curriculum

Physical Education



Staff to contact: P Davy (Curriculum Leader)

Year 11 Physical Education NCEA Level 1

This course is intended for students who have an excellent attitude towards practical physical education and a keen interest in learning the theory concepts of how to improve in sport, how the body works and personal well-being. The course is 100% internally assessed. Students will be involved in a performance improvement programme for badminton and 3 versus 3 basketball as well as individual sports, team sports and fitness, and their relationship to interpersonal skills and well being.

Prerequisite: Entry is with approval of the Curriculum Leader, Physical Education
Recoveries: \$15.00 – course booklets

Important:

Students must choose between Physical Education and Outdoor Education. You cannot do both.

Year 12 Physical Education NCEA Level 2

This course is intended for students who have coped well with the NCEA Level 1 course and who may wish to take Physical Education at Level 3. This course expands on practical and theory components explored at Level 1. It challenges students to perform at a higher level in the practical areas as well as develop a more in-depth understanding of theory concepts. This course is 100% internally assessed. This subject will cover volleyball, turbo touch, fitness concepts and a range of sports/ games to enhance leadership, interpersonal skills and well being.

Prerequisite: Entry is with approval of the Curriculum Leader, Physical Education
Recoveries: \$15.00 – course booklets

Year 13 Physical Education NCEA Level 3

This course is intended for students who may wish to study sports science at a tertiary level and/or vocations such as physiotherapy and nursing and for students who have a keen interest in the science of sports training and skill enhancement development. This course also looks at topical issues within sport, recreation and society. This course is 100% internally assessed.

Prerequisite: Entry is with approval of the Curriculum Leader, Physical Education
Recoveries: \$15.00 - Course Booklets

Year 13 Applied Physical Education NCEA Level 3

This course has been designed for students who enjoy physical education with a focus on the practical component. It is an alternative course to the NCEA Level 3 Achievement Standards based course which can prepare students to go on to tertiary study. This course will look at skill development in individual and team games as well as how to design and implement a sports specific training programme.

This course will cover 2 Achievement Standards and students will have the opportunity to go on a camp that involves mountain biking and skiing/snowboarding.

Prerequisite: Entry is with approval of the Curriculum Leader, Physical Education
Recoveries: \$560.00 (winter camp)

Health and Physical Education in the New Zealand Curriculum

Health Education



Staff to contact: P Davy/H Hutt

Year 11 Health Education NCEA Level 1

This course focuses on a wide range of health and relationship issues. Students will extend their knowledge of sexual health and sexuality issues and learn about strategies for maintaining positive, balanced relationships by developing problem solving and conflict resolution skills. Students will also investigate issues related to nutrition that lead to healthy choices in their life and the lives of others. Students will gain further awareness of Hauora, build knowledge of the physical, spiritual, emotional and social dimensions and will set goals to manage their own well-being as well as supporting others through times of change. Students will also develop strategies to promote well-being within the school and broader community.

Prerequisite: None

Recoveries: \$10 – course booklets

Year 12 Health Education NCEA Level 2

The Y12 Health course builds on information covered in Y11 about adolescent health issues, such as sexuality, relationships and mental health concerns for young people. Students will evaluate factors that influence people to make and deal with changes that occur in their lives. The course will also focus on identifying issues from within the school or community and how to take action towards improving people's well-being. Strategies will be built to deal with situations involving people's safety such as bullying, discrimination and harassment. This is a full NCEA Level 2 course with internal and external achievement standards being offered.

Prerequisite: It is helpful if students have completed Level 1 Health but this is not a requirement.

Recoveries: \$10 – course booklets

Year 13 Health Education NCEA Level 3

The Y13 Health course is an extension of the key concepts covered in Y12 Health with a focus on how health issues affect the well-being of individuals and society and the determinants of health that influence the health status of individuals. Students will research a current health issue in New Zealand and explain the factors that cause this issue and the consequence to well-being, interpersonal relationships and how the issue impacts in society. Students will evaluate current health practices in New Zealand and analyse ethical issues in the health sector. The course will also focus on developing skills and strategies through health promotion models to address and reduce the impacts of the health issues. Health is an approved university subject.

Prerequisite: It is helpful if students have completed Level 2 Health but this is not a requirement. Level 2 English is a requirement.

Pathways: A course in Health Education provides opportunities for tertiary studies in health, sports and recreation, teaching, nursing, medicine, holistic medicines, coaching, youth and community work, social sciences, sociology and psychology. These courses will benefit any student interested in Social Work careers and Social Sciences studies, Teaching, Health Promotion, Coaching, Police, Community or Youth Work or any people orientated occupations.

Recoveries: \$10 – course booklets

Outdoor Education



Staff to contact: P Davy & F Battaerd

Year 11 Outdoor Education NCEA Level 1

This course is for students who have an interest in the outdoors and who are enthusiastic about the activities that can take place in the outdoor environment. The course requires a high level of motivation and commitment to the theoretical and the practical components of Outdoor Education. There is a large practical component to the course including some out of school trips. The benefits to the students will be the learning of new skills, appreciation and care of the environment, increased self-awareness and self-management, the development of relationships with others and a lot of enjoyment. The course is 100% internally assessed.

Prerequisite: Entry is with the approval of the Curriculum Leader: Outdoor Education

Recoveries: \$250

Important: Students must choose between Physical Education and Outdoor Education. You cannot do both.

Year 12 Outdoor Education NCEA Level 2

This course is for students who enjoy the outdoors and the challenge it presents. There are demanding theory and practical components to the course and students must be willing to complete both these aspects to succeed. Critical thinking, skill development, risk management and environmental awareness will be a focus. Several camps will be scheduled throughout the year in which assessments will take place. The course is 100% internally assessed.

Prerequisite: Entry is with the approval of the Curriculum Leader: Outdoor Education. Students must be willing to give new things a try and be able to swim competently.

Recoveries: \$750 (includes \$650 winter trip costs)

Year 13 Outdoor Education NCEA Level 3

This course is for students who have a passion for the outdoors and who want to challenge themselves in a range of outdoor activities. There will be a focus on developing physical skills, safety management, trip planning and logistics, self-management, leadership and critical thinking. There will be several trips out of school including overnight camps in which assessments will take place. Students need to have high levels of motivation, time management and resilience. The course is 100% internally assessed.

Prerequisite: Completing of Level 1 or Level 2 Outdoor Education
Entry is with approval of the Curriculum Leader: Outdoor Education

Recoveries: Approximately \$400 (Subject to change based on cost of trips and camps)

Food and Nutrition

Staff to contact: S Huntleigh-Smith

Year 11 Food and Nutrition  **NCEA Level 1**

This course meets the requirements for NCEA Level 1, offering credits via Achievement and Unit Standards, using both internal and external methods of assessment. This course covers topics such as food hygiene and safety, human nutrition, meal planning and evaluating nutritional information with regard to making food choices. In 2017 students can opt for a sports nutrition bias. Students are expected to enter for the full course. There is one external examination paper which enables students to achieve course endorsement. This course leads on to Y12 Hospitality and catering and/or Y12 Food and Nutrition.

Prerequisite: None, but preferably Y9 and Y10 Home Economics.

Recoveries: Approximately \$30 per term

Year 12 Food and Nutrition  **NCEA Level 2**

This course will offer credits in Home Economics Achievement Standards using both internal and external methods of assessment. Topics will include investigating nutrition, nutritional issues and the relationship between health, well-being and food choices. In 2017 students can opt for a sports nutrition bias. This subject offers credits towards UE literacy.

Prerequisite: Level 1 NCEA Literacy credits

Recoveries: Approximately \$30 per term

Year 13 Food and Nutrition  **NCEA Level 3**

This course will offer credits in Home Economics Achievements Standards. Topics include investigating nutrition for specific health issue and how multinational food corporations influence our eating habits. In 2017 students can opt for a sports nutrition bias. This is an approved subject for University Entrance and offers credits towards UE literacy.

Prerequisite: Y12 Literacy

Recoveries: Approximately \$30 per term

Year 11 Hospitality and Catering  **NCEA Level 1**

This course meets the requirements for NCEA Level 1 credits via Unit Standards, using internal methods of assessment. This course covers topics such as food hygiene and safety, knife skills, meat, fruit and vegetable, eggs and cheese cookery and mocktail making. This course leads to Y12 Hospitality and catering. This is a vocational pathways subject.

Prerequisite: None, but preferably Y9 and Y10 Home Economics.

Recoveries: Approximately \$40 per term (includes workbooks)

Year 12

Hospitality and Catering



NCEA Level 2

This course meets the requirements for NCEA Level 2. Students will be assessed by Unit Standards.

The course is based around the acquisition of knowledge relating to the preparation, cooking and service of food for the catering and hospitality industry. The first semester focuses on coffee appreciation and includes learning how to prepare and serve espresso coffees at a commercial level, food safety, knife skills, grilling and salad making, all in a commercial kitchen. There are no external examinations. This is a vocational pathways subject.

Prerequisite: Level 1 NCEA Literacy credits.

Recoveries: Approximately \$40 per term (includes workbooks)

Year 13

Hospitality and Catering



NCEA Level 3

This course meets the requirements for NCEA Level 3. Students will be assessed by Unit Standards.

The course is based around the acquisition of knowledge relating to the preparation, cooking and service of food for the catering and hospitality industry. Topics can include food safety for a food and business, research into culinary terms and methods, and nutrition for the catering industry. Standards chosen can be personalised to students learning needs. There are no external examinations. This is a vocational pathways subject.

Prerequisite: Level 1 NCEA Literacy credits.

Recoveries: Approximately \$40 per term (includes workbooks)

Japanese



Staff to contact:

J. Evans

In 2017 we will offer NCEA courses in Japanese at Level 1 and Level 2.

Year 11

Japanese

NCEA Level 1

Language learning helps develop intercultural communication skills and prepares students to participate fully in our increasingly globalized society.

In Year 11, students will extend their Japanese reading, writing, listening and speaking skills and explore new language to communicate about themselves and their community. With a focus on both written and spoken communication in Japanese, learners will cover aspects of daily life such as family relationships, hobbies and sports, and travelling in Japan.

The course will cover up to 5 Achievement Standards (3 internal, a total of 14 credits, and 2 external, a total of 10 credits).

Students can gain up to 24 credits at Level 1 NCEA.

Prerequisite:

Students should have previous Japanese language learning experience up to Year10 Japanese or equivalent, or have a Japanese language background.

The ability to read and write hiragana and katakana are essential.

Recoveries:

Students are expected to have \$15 in their printing accounts to cover printing costs and to print assessment work. Also approximately \$30 to cover the cost of a class trip to Auckland.

Year 12

Japanese

NCEA Level 2

The NCEA Level 2 Japanese course aims to develop and extend communication skills and to further foster students' intercultural understanding and awareness. The course will cover up to 5 Achievement Standards (3 internal for a total of 14 credits, and 2 external for a total of 10 credits). Students can gain up to 24 credits at Level 2 NCEA.

Prerequisite:

Students should have studied Japanese at Level 1.

Recoveries:

Students are expected to have \$15 in their printing accounts to cover printing costs and to print assessment work.

In 2018 Japanese will be offered at Level 3.

Te Reo Māori



Staff to contact: Mr M Bennett

In 2017 we are planning to offer NCEA courses in Te Reo Māori at Levels 1, 2, & 3. How the classes are organized will be subject to the numbers of students choosing this option.

Year 11 **Te Reo Māori** **NCEA Level 1**

This course aims to build student skill in whakarongo, kōrero, pānui, tuhituhi and waihanga tuhinga. There will be a strong focus on encouraging and supporting students to consistently achieve at merit and excellence levels. Students will learn about the value of not only learning a second language but the potential career opportunities and deeper multi-cultural understanding that come from learning Te Reo Māori. Students will learn language skills to communicate feelings and opinions, habits and routines, comparing and contrasting, describing activities and events, giving and following instructions, problems and solutions, plans and intentions as well as communicating in formal situations

Prerequisite: Students will need previous learning experience in the first four curriculum levels to have the base language required to achieve NCEA Level 1. Students with no previous experience in the language are welcome and will need to work through the first four levels of the curriculum before entering for NCEA.

Recoveries: Students are expected to have \$15 in the printing accounts to cover printing costs and to print assessment work. Also approximately \$30 to cover travel to offsite locations. This may vary according to location and admission prices and/or fees.

NCEA Literacy: Credits gained in Te Reo can be credited towards the Literacy requirements for Level 1 NCEA.

Year 12 **Te Reo Māori** **NCEA Level 2**

In this course students will continue to build their skills in whakarongo, kōrero, pānui, tuhituhi and waihanga tuhinga. There will be a strong focus on encouraging and supporting students to consistently achieve at merit and excellence levels. Students will learn about the value of not only learning a second language but the potential career opportunities and deeper multi-cultural understanding that come from learning Te Reo Māori. Students will learn language skills to communicate about future plans, recounting and reading about actual or imagined events, giving and responding to warnings, suggestions, agreement, disagreement, information and opinions.

Prerequisite: NCEA Te Reo Māori Level 1

Recoveries: Students are expected to have \$15 in the printing accounts to cover printing costs and to print assessment work. Also approximately \$30 to cover travel to offsite locations. This may vary according to location and admission prices and/or fees.

Year 13 **Te Reo Māori** **NCEA Level 3**

In this course students will build skills in Te Reo that will enable them to go on to Waikato University Te Pihinga 1 & 11, NCEA Te Reo Māori Level 4 or NCEA Te Reo Rangatira Level 1. There will be a strong focus on encouraging and supporting students to consistently achieve at merit and excellence levels. Students will learn about the value of not only learning a second language but the potential career opportunities and deeper multi-cultural understanding that come from learning Te Reo Māori. Students will learn language skills to communicate about certainty and uncertainty, possibility and probability, presenting an argument with reasons, recounting a series of events to inform, persuade or entertain, responding to selected and adapted Māori texts and to communicate the same information in different ways, in different contexts that relate to issues concerning Māori language and culture.

Prerequisite: NCEA Te Reo Māori Level 2

Recoveries: Students are expected to have \$15 in the printing accounts to cover printing costs and to print assessment work. Also approximately \$30 to cover travel to offsite locations. This may vary according to location and admission prices and/or fees.

Te Ao Māori - The Māori World.



Staff to contact: Mr M. Bennett

In 2017 we are planning to offer an NCEA course in Te Ao Māori for Years 11, 12 & 13. Course content and assessment opportunities will be confirmed in consultation with students at the beginning of the year to meet the needs and interests of the individuals. This is a multi-level course all taught in the one class and students will advance through the different levels depending on competence and ability.

Te Ao Māori

NCEA Level 1

This course aims to build student knowledge in Tikanga Māori (customs & protocols), karakia, history, traditional technology, recreation, arts, craft and cultural performance. While it is expected students will learn some Māori language pertinent to each learning topic, Māori language is not the focus. Delivery of lessons will be in English as will research for assignments. This course also has practical based skills and projects. This Level 1 NCEA course is designed for students who have no prior knowledge of the Māori World while also catering for students wishing to further their knowledge of Te Ao Māori. This program will be supported by internally assessed Unit Standard based assessments for those wishing to gain credits at NCEA level.

Possible Learning Topics:

Everyday customs & protocol; Marae protocols; Māori & Aotearoa focused history; Traditional pastimes & games; Basic Flax weaving; Cultural Songs & dance; Canoe paddling.

Prerequisite: Prior knowledge is helpful but not essential to be successful at NCEA Level 1.

Recoveries: There may be charges to cover travel to offsite locations the cost may vary according to location and admission prices and/or fees but this is not a compulsory fee. There may also be costs for materials depending on projects and availability of resources. Māori Cultural Knowledge gained in this course is a requirement for most Government Institutions (police, teaching, nursing, etc.) and an advantage in any field of employment, from tourism to corporate business.

Te Ao Māori

NCEA Level 2

This course aims to continue building student knowledge learnt from Te Ao Māori Level 1 in Tikanga Māori (customs & protocols), karakia, history, traditional technology, recreation, arts, craft and cultural performance. While it is expected students will learn some Māori language pertinent to each learning topic, Māori language is not the focus. Delivery of lessons will be in English as will research for assignments. This course also has practical based skills and projects. This Level 2 NCEA course is designed for students wishing to further their knowledge of Te Ao Māori. This program will be supported by internally assessed Unit Standard based assessments for those wishing to gain credits at NCEA level 2.

Possible Learning Topics:

Everyday customs & protocol; Marae pōwhiri; Māori & Aotearoa focused history; Traditional pastimes & games; Intermediate Flax weaving; kapa haka; Canoe paddling.

Prerequisite: Completion of the NCEA Level 1 Te Ao Māori course. Students may enter at this level depending on competence and ability.

Recoveries: There may be charges to cover travel to offsite locations the cost may vary according to location and admission prices and/or fees but this is not compulsory fee. There may also be costs for materials depending on projects and availability of resources.

Māori Cultural Knowledge gained in this course is a requirement for most Government Institutions (police, teaching, nursing, etc.) and an advantage in any field of employment, from tourism to corporate business.

Languages in the New Zealand Curriculum



Te Ao Māori- NCEA Level 3

This course aims to continue building student knowledge learnt from Te Ao Māori Level 2 in Tikanga Māori (customs & protocols), karakia, history, traditional technology, recreation, arts, craft and cultural performance. While it is expected students will learn some Māori language pertinent to each learning topic, Māori language is not the focus. Delivery of lessons will be in English as will research for assignments. This course also has practical based skills and projects. This Level 3 NCEA course is designed for students wishing to advance their knowledge of Te Ao Māori. This program will be supported by internally assessed Unit Standard based assessments for those wishing to gain credits at NCEA level 3.

Possible Learning Topics:

Tikanga Māori; Marae pōwhiri; Māori & Aotearoa focused history; Traditional pastimes & games; Advanced Flax weaving; Advanced kapa haka; Advanced Canoe paddling & steering.

Prerequisite: Completion of the NCEA Level 2 Te Ao Māori course. Students may enter at this level depending on competence and ability.

Recoveries: There may be charges to cover travel to offsite locations the cost may vary according to location and admission prices and/or fees but this is not compulsory fee. There may also be costs for materials depending on projects and availability of resources.

Māori Cultural Knowledge gained in this course is a requirement for most Government Institutions (police, teaching, nursing, etc.) and an advantage in any field of employment, from tourism to corporate business. Further study in Māori Arts, Craft, Māori Performing Arts, Waka Ama and Māori Tourism to name a few are all possible at higher levels.

Other languages Year 11-13

Staff to contact: Mr M Smith & Mrs B Wallace

For students with prior knowledge of other languages who wish to continue their studies, distance learning options can be considered. Students should consult their dean and/or Mr Smith (DP - Senior Years) in Term 4 if they are interested in completing a distance course

English Language



Staff to contact: J Evans

Year 11, 12 & 13

English Language

NCEA Level 2 & 3

The English Language course is a language learning programme that caters for students from Years 11-13 whose first language is NOT English and who are building language skills to support their achievement in a mainstream English-based NCEA curriculum.

This course covers a range of basic skills including reading, viewing, speaking, presenting and writing. Learning prepares students for NCEA EL unit standards in spoken and written English language. Between 10 and 20 EL unit standard credits are available for students at Levels 1, 2 and 3 depending on students' prior learning and skill levels.

Recoveries: Students are expected to have \$15 in their printing accounts to cover printing costs.

Mathematics and Statistics in the New Zealand Curriculum

Mathematics

Staff to contact: Carol Boswell/Svargo/Thomas Everth (Senior Mathematics Department)

Year 11 Level 1 Mathematics - Numeracy ●●●●●● **NCEA Level 1**
This course is intended for students who require extended lengths of time to achieve at Curriculum Level 6 and presents a sound understanding of basic number and the practical applications of Mathematics. The aim will be to integrate mathematics with each student's key areas of interest. The Mathematics of statistical graphs, statistical literacy and estimating probabilities will be used to demonstrate the requirements for Numeracy within the NCEA qualifications framework. Students will be expected to have a BYOD. Advancement to Level 2 will require discussions with the Mathematics department and the recommendation of the staff member teaching the course.

Year 11 Level 1 Mathematics for Trade and Industry ●●●○●● **NCEA Level 1,2**
This is the first year of a two to three year course with the aim of gaining NCEA Level 2 Mathematics in the second or third year with a minimum of 10 credits at Level 2. Level 2 credits may be offered throughout the course. This course continues and extends the mathematical concepts of number, statistics and probability. Students will be given extended lengths of time to demonstrate their understanding of curriculum level 6 and 7 within each of these four areas. Students will be encouraged to use the learning contexts of other areas of learning and interest to provide the real contextual base for their mathematical investigations. The course continues with the year 12 Level 2 Mathematics course for Trade and Industry in the following year. This course integrates computer packages in the statistical, algebra and probability areas and students will be expected to have a BYOD.

Recoveries: \$18 (Workbooks)

Year 11 Level 2 Statistics A ●●●●●● **NCEA Level 2,3**
This Statistics course is for students who are considering career pathways that require statistical reasoning in social sciences and technology fields. This course is intended to allow students to apply these concepts to real world problems and to use investigative statistics techniques. Students will learn to write reports on their findings and are required to reach a high level of statistical literacy. This course covers multiple curriculum levels and students will be expected have a BYOD and the resilience required for higher level Mathematics. The course continues with the year 12 course Mathematics with Statistics B in the following year.

Recoveries: \$18 (Workbooks)

Year 11 Level 2 Calculus A ●●●○●● **NCEA Level 2, 3**
This multi-curriculum level Mathematics course is for students who are looking to build the strong algebraic, equation and modeling skills required within the Engineering, Physics, Architectural Technology and Design fields. The course is designed to challenge students to make real world connections and develop their algebraic generalization and reasoning skills at the very top levels. This course is an essential prerequisite for Level 2 Calculus B in the following year. Students are expected to have their own BYOD and a graphics calculator for the externally assessed standards.

Prerequisite: Achievement at Merit/Excellence in Y10 Mathematics in Algebra Areas

Recoveries: \$24 (Workbooks)

\$95 (Graphics calculator- purchased in bulk school order)

Year 12 Level 2 Mathematics for Trade and Industry A ●●●●○○ **NCEA Level 2**
This course is a continuation of Level 1 Mathematics for Trade and Industry. It is intended for students who need to achieve Mathematics at Level 2 for entry into tertiary courses e.g. Mechanics, the Armed forces or positions and training in trade and industry. This course will include some common areas of study within trigonometry, linear programming, critical path analysis (project management) and statistics which will require a high literacy level for the presentation of statistical reports. The course allows for extended time to complete the learning within these areas, however, it is designed to be flexible and allow the 'context' for assessment work to be centered around each students strength within other learning areas. Students will be expected have a BYOD.

Recoveries: \$15 (Workbooks)

Year 12 **Level 2 Statistics B** **NCEA Level 2,3**

This course is a continuation of Level 2 Statistics A from year 11. Students will be given an extended length of time for each of in-depth statistical investigations. They will be given the opportunity to pursue areas of personal interest, to research, collect data, and develop the statistical literacy and analysis skills required when dealing with measured and experimental data. It is anticipated that students will use real world issues and concerns, often generated within other areas of study, eg. health, social, physical, environmental, sustainable sciences or economics, psychology or technology fields as the basis for their statistical investigations. A deeper understanding of underlying statistical literacy features is essential to enable students to present the level of statistical reporting expected. This course covers multiple curriculum levels and students will be expected to have a BYOD and the resilience required for higher level Mathematics. This course will enable students to study the Level 3 Statistics course in Year 13. Some data collection and analysis costs may require personal funding.

Recoveries: \$10 (Workbooks)

Year 12 **Level 2 Calculus B** **NCEA Level 2 & 3**

This course is a continuation of Mathematics with Calculus A in year 11. This course is intended for students who have a very strong algebraic foundation in both manipulation and equation skills. This course would suit students who wish to take Mathematics, Chemistry, Physics, Engineering or Design Technology options at Year 13 level or beyond. The course significantly extends the algebra, modeling and graphing concepts from the Year 11 Mathematics C - Algebra course. It includes the introductory differentiation and integration calculus concepts which form the basis for the Year 13 Level 3 Calculus course. This course covers multiple curriculum levels, is fast paced and requires a depth of algebraic manipulation and the resilience to deal with the constant introduction of new material. Regular time to consolidate in-class learning is required for success at the top levels which will be aimed for within this course. The use of a graphics calculator is expected.

Prerequisite: Merit in the Level 2 Calculus A externals or in consultation with Curriculum Leader, Mathematics

Recoveries: \$24 (Workbooks)

Year 13 **Level 3 Calculus** **NCEA Level 3**

This course is recommended for students who are intending to study Engineering, Mathematics, Chemistry, Physics or Computer programming at university or uni-tech level where achievement at curriculum level 8 Calculus is an entry requirement. This course requires a strong algebraic framework and the resilience to deal with the constant introduction of unfamiliar material. The concepts of trigonometry, differentiation and integration are significantly extended and regular time to consolidate in-class learning is required for success at this level. The use of a graphics calculator is expected.

Prerequisite: Merit/Excellence in Level 2 Calculus B externals OR in consultation with the Curriculum Leader, Mathematics

Recoveries: \$20 (Workbooks)

Year 13 **Level 3 Statistics** **NCEA Level 3**

In a world that is increasingly data driven the ability to understand and critically evaluate statistical representations and information is important within a wider range of fields. This course is recommended for students who are keen to explore an issue or area of personal interest via data collection and statistical analysis. This course would also benefit students intending to study any Business, Life Sciences or Social Sciences at a tertiary level. Students will be encouraged to begin with the formulation of a statistical hypothesis or problem within a real and authentic area of interest for which the gathering of data will allow further knowledge and understanding in that field. Students will be expected to have a BYOD.

Prerequisite: Level 2 Statistics B or Level 2 Calculus B.

Recoveries: \$10 (Workbooks)

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Year 13

**Level 3 Mathematics for
Commerce and Enterprise**



NCEA Level 3

This course would suit students who may wish to pursue career pathways involving Commerce, Management, and for university or uni-tech based courses which require a Level 3 Mathematics qualification for entry. This course will include a mixture of calculus, statistical literacy and technology skills. The course will include the advanced differentiation calculus knowledge, linear programming for optimization and also an in-depth investigation into an area of interest via data collection and statistical analysis. A reasonably high level of algebraic confidence is required. Due to the algebra, technology, statistical mix within the course, students are expected to have a BYOD, and a graphics calculator will be required for the external.

Prerequisite: Level 2 Calculus or Level 2 Statistics

Recoveries: \$18 (Workbooks)

Year 12, 13

**Science and Education for
Sustainability with Statistics**



NCEA Level 2, 3

This science and statistics based course will focus on practical student led investigations into our coastal and estuarine marine ecosystems with the objective to gather baseline data as well as document cyclical patterns and changes in our coastal environment. We will be gathering numerical data where possible for the purpose of statistical investigations. The outcome of the student investigations will be open-ended. As much of our explorative investigation work will be centred on gathering new data we will correspond with researchers from the University of Waikato during our course.

Portfolios of students research work will be assessed against Science, Mathematics and Statistics standards at level 2 or 3 as applicable and include literacy and numeracy credits where possible.

This course will also work in with the Marine Academy dive courses for the gathering of observational data from local dive sites for students enrolled in the Marine Academy.

The course prepares students towards career pathways into science, ecology and environmental studies with applied statistical skills.

Students are expected to bring suitable BOYD devices (laptops) for their research, reporting and the processing of data.

Science in the New Zealand Curriculum

Science

Staff to contact: C Lidgard

Year 11 Science  **NCEA Level 1**

This is the mainstream course which is a requirement for students who may wish to follow science in Y12 and Y13. Topics are selected to meet achievement objectives at Level 6 of the NZ Curriculum. This is an academic course and assessed through Achievement Standards both internal and external. The topics for internal assessment will be determined by student voice.

The main areas of study include:

- Practical investigation
- Physics
- Astronomy
- Biology
- Chemistry

Prerequisite: Approval from the Curriculum Leader, Science

Recoveries: \$30 (Write-on notes)

Year 11 Science Applied  **NCEA Level 1**

This course will be made up from a selection of internally assessed Achievement Standards from Level 1 Science, Biology and Physics. The standards will relate to our beach environment and the activities most of us enjoy like surfing, fishing and sun bathing. This course does not lead on to further science courses at Level 2

Recoveries: \$20 Handouts/booklet

Biology

Staff to contact: L Oram

Year 12 Biology  **NCEA Level 2**

This course is a requirement for those students wishing to take Biology in Year 13. This course is made up of Achievement Standards both internally and externally assessed.

The main areas of study include:

- Research skills
- Ecological investigations
- Animals' adaptations
- Genetics and evolution
- Cell processes

Pre-requisite: Students should have Achievement Standards in Level 1 Science, preferably the Biology standard at Merit. Discuss eligibility with Curriculum Leader, Science

Recoveries: \$35.00 (Write-on Notes)

Year 13 Biology  **NCEA Level 3**

This is an academic programme comprising 5 Achievement Standards. Three of the standards are internally assessed and include a research essay and a written exam. The remaining standards are assessed externally at the end of the academic year as written exams.

The main areas of study include:

- Evolution
- Human Evolution
- Homeostasis
- Genetic manipulation
- Researching a socio-scientific issue

Prerequisite: Evidence of achievement in Level 1 and 2 science subjects preferably Level 2 Biology, academic motivation and the ability to work independently. Discuss eligibility with Curriculum Leader, Science.

Recoveries: \$35.00 for workbook and revision package.

Chemistry

Staff to contact: C Lidgard

Year 12 Chemistry



NCEA Level 2

This is an academic course comprising of Achievement Standards. Three of the standards are internally assessed and include quantitative and volumetric analysis and oxidation and reduction. The remaining standards are assessed externally at the end of the academic year as a written examination.

The main areas of study include:

- Structure & Bonding
- Reactivity
- Organic chemistry

Prerequisite: 12 credits in NCEA Level 1 Science and at least merit in Chemistry. Discuss eligibility with Curriculum Leader, Science

Recoveries: \$35.00 (Write-on Notes/practical manual)

Year 13 Chemistry



NCEA Level 3

This is an academic course comprising of Achievement Standards. Internally assessed standards will involve practical work, oxidation and reduction and spectroscopy. The remaining standards are assessed externally at the end of the academic year as written exams.

The main areas of study include:

- Structure & Bonding
- Thermochemistry
- Organic chemistry
- Aqueous solutions

Prerequisite: 15 credits in NCEA Level 2 Chemistry, preferably at Merit. Discuss eligibility with Curriculum Leader, Science

Recoveries: \$35.00 (Write-on Notes/practical manual)

Physics

Staff to contact: H Fairweather

Year 12 **Physics**

 **NCEA Level 2**

This is an academic course comprising of Achievement Standards. The internally assessed standards involve practical work and atoms and radioactivity. Most of the remaining standards are assessed externally at the end of the academic year as written exams.

The main areas of study include:

- Waves
- Mechanics
- Electricity
- Modern Atomic Physics

Prerequisite: **12 Credits** in NCEA Level 1 Science with at least merit in Physics and some Achievement Standards in Mathematics. Discuss eligibility with the Curriculum Leader, Science. Students **must be confident** in mathematical algebra.

Recoveries: \$35.00 (Write-on Notes)

Year 13 **Physics**

 **NCEA Level 3**

This is an academic course comprising of Achievement Standards. The internally assessed standards involve practical work (**4 credits**) and modern physics (**6 credits**). Most of the remaining standards are assessed externally at the end of the academic year as written exams. Students **must be confident** in mathematical algebra.

The main areas of study include:

- Wave systems
- Mechanical systems
- Electrical systems
- Modern Atomic Physics

Prerequisite: **15 credits** in NCEA Level 2 Physics, Merit preferred. Discuss eligibility with the Curriculum Leader, Science

Recoveries: \$35.00 (Write-on Notes)

Horticulture



Staff to contact: J Hutt

Year 11 Horticulture NCEA Level 1

This is a mixed course of both practical and theory components comprising of Achievement and Unit Standards. All of the standards are assessed internally. This course can be tailored to meet individual students interests.

This is an applied science course that covers:

- practical skills and knowledge in horticulture production
- propagation of plants from seeds
- primary production in New Zealand

Prerequisite: An enthusiastic work ethic.

Recoveries: \$25 (equipment maintenance, seeds, soil additives)

Year 12 Horticulture NCEA Level 2

Horticulture at Level 2 adopts a practical, primary industries 'production-focused approach'. Involving students in problem solving and the use of appropriate management practices. This years programme concentrates on practical applications of Production Horticulture, Amenity Horticulture and Apiculture. The programme is based around realistic/practical and market contexts. Students will gain valuable lifelong skills, as well as NCEA credits. Assessment will be tailored to meet the needs of the students selecting the course and could range from a number of both academic and practical based Achievement and Unit Standards. Students need to be motivated to get their hands dirty and work hard physically.

This is an applied science course that covers:

- Practical skills and knowledge in horticulture production and Apiculture
- Planting and caring for trees, shrubs and climbing plants are assessed internally.
- Maintaining and servicing small engines

Prerequisite: An enthusiastic work ethic.

Recoveries: \$25 (equipment maintenance, seeds, soil additives)

Staff to contact: T Everth

Year 12, 13 Science and Education for Sustainability with Statistics NCEA Level 2, 3



This science and statistics based course will focus on practical student led investigations into our coastal and estuarine marine ecosystems with the objective to gather baseline data as well as document cyclical patterns and changes in our coastal environment. We will be gathering numerical data where possible for the purpose of statistical investigations. The outcome of the student investigations will be open-ended. As much of our explorative investigation work will be centred on gathering new data we will correspond with researchers from the University of Waikato during our course.

Portfolios of students research work will be assessed against Science, Mathematics and Statistics standards at level 2 or 3 as applicable and include literacy and numeracy credits where possible.

This course will also work in with the Marine Academy dive courses for the gathering of observational data from local dive sites for students enrolled in the Marine Academy.

The course prepares students towards career pathways into science, ecology and environmental studies with applied statistical skills.

Students are expected to bring suitable BOYD devices (laptops) for their research, reporting and the processing of data.

Social Science in the New Zealand Curriculum

Geography



Staff to contact: **T Nelson** **(Curriculum Leader)**

The aim of school Geography is to develop an understanding of the environment as a home for people. Modern Geography is not simply learning about countries or groups of people, it is a discipline in which the qualities and needs of the natural environment are studied in relation to the economic and social needs of the people. Studying Geography will provide a good general knowledge of the world as well as skills which are useful for many career pathways.

Year 11 **Environmental Geography** **NCEA Level 1**

The aim of the course is to develop an understanding of our environment - how we affect it and how it can affect us. This course will include an opportunity for students to gain credits to meet the Literacy and Numeracy requirements of NCEA Level 1. This course will focus on the environment and issues around its use and will suit students who are interested in environmental and earth sciences. Future focussed themes of sustainability and globalisation are key components of the course. This course will enable students to continue with studies of both Geography and Education for Sustainability at NCEA Levels 2 and 3. This course has recommended credits available in the Creative Industries, Primary Industries, Service Industries, Social and Community Services and the Construction and Infrastructure Vocational Pathways.

Prerequisite: None
Recoveries: Geography Skills Workbook (\$25.00)

Year 12 **Geography** **NCEA Level 2**

Year 12 Geography continues the study of the inter-relationships of the natural and human environment. Major themes of study are landscape contrasts (the natural environment, use of resources and environmental issues), and urban growth (the reasons towns and cities grow and the problems they face). In-depth study of geographic issues, a global study and research skills are also important components of the course. This course has recommended credits available in the Creative Industries, Primary Industries, Service Industries, Social and Community Services and the Construction and Infrastructure Vocational Pathways.

Prerequisite: NCEA Level 1 expected in Social Sciences or Geography including Level 1 Literacy
or with approval from the Curriculum Leader, Social Sciences
Recoveries: One field Trip (\$40 approx), Geography Skills workbook (\$25.00)

Year 13 **Geography** **NCEA Level 3**

The Year 13 course completes a cycle of studies of the relationship between man and the environment. The main topics studied are the natural environment and a selection of geographic skills and their application in selected contexts. 14 of the course credits are internally assessed, and include studies of the role of planning and decision-making in geography related to an event such as the Whitianga Scallop Festival, geographic research, geographic issues and global studies. This course has recommended credits available in the Creative Industries, Primary Industries, Service Industries, Social and Community Services and the Construction and Infrastructure Vocational Pathways.

Prerequisite: Level 2 Geography expected or at least 8 credits in Level 2 English or with
approval from the Curriculum Leader, Social Sciences.
Recoveries: One field trip (\$200.00 approx), Geography Skills Workbook (\$25.00)

History



Staff to contact: M Collins

History examines the past to understand the present. History fires students' **curiosity and imagination**. It invites them to ask, and helps them answer, today's questions by engaging with the past and speculating on possible futures.

History presents students with the dilemmas, choices and beliefs of people in the past.

Because History is a **research-led discipline**, it inspires students to become confident, questioning and empathetic individuals. They learn to ask and answer important questions, evaluate evidence, identify and analyse different interpretations of the past and to substantiate the arguments they make.

History **prepares students for the future** by equipping them with knowledge and skills that are valuable and useful throughout life.

Year 11 **History** **NCEA Level 1**

Topics **may** include:

- Black Civil Rights in the USA
- Significant Events in New Zealand History

Prerequisite: None
A BYOD is a course requirement.

Year 12 **History** **NCEA Level 2**

Topics **may** include:

- Germany in the Twentieth Century
- The 1960's

Prerequisite: NCEA Level 1 History or Social Sciences expected. Level 1 Literacy or with approval from the Curriculum Leader of Social Sciences.
A BYOD is a course requirement.

Year 13 **History** **NCEA Level 3**

Topics **may** include:

- History through film

Prerequisite: NCEA Level 2 History expected. NCEA Level 2 or with approval from the Curriculum Leader of Social Sciences.
A BYOD is a course requirement.

Social Sciences in the New Zealand Curriculum

Economics and Business Studies



Staff to contact: T Nelson (Curriculum Leader)

At Y11, Business and Enterprise Studies is offered as an option subject and combines relevant components of both Economics and Business Studies into one course. At Y12 and Y13, Economics and Business Studies are options selected by students. A good knowledge of Economics and Business Studies will help students better understand and cope with life, work, money, law, business and politics. It will also help with further studies and is an area of expertise that leads to many interesting and well paid jobs in education, banking, insurance, law, commerce, management, marketing and self employment.

Year 11 Business and Enterprise Studies NCEA Level 1

This course aims to introduce the students to the basics of Business Studies and Economics.

Topics include:

- Internal and external influences on small businesses
- A product-based business activity (Market Day and more!)
- Marketing products and the marketing mix.

This course will include an opportunity for students to gain credits to meet the Literacy requirements of NCEA Level 1. As well as recommended credits available in the Primary Industries and Service Industries Vocational Pathways.

Prerequisite: Nil
Recoveries: \$50.00 approx (Field trips)

Year 12 Business Studies NCEA Level 2

This course will continue the study of business in NZ and enable students to complete the Business Studies course at NCEA Level 3. Topics include:

- Internal operation of a large business
- External factors and their influences on large businesses
- Conducting market research
- A community based business activity (Market Day and more!)
-

As well as recommended credits available in the Primary Industries and Service Industries Vocational Pathways.

Prerequisite: Preferably Business and Enterprise Studies at Level 1
Recoveries: \$50.00 approx (Field trips)

Year 13 Business Studies NCEA Level 3

This course develops a global focus on business and examines the internal and external operations of a global business as well as human resource issues, conducting market research and developing and running a sustainable business.

Topics include:

- Internal and external factors for a global business.
- Complex and critical business problems.
- Human resource issues.
- Marketing and conducting an innovative and sustainable business activity. This course has recommended credits available in the Manufacturing and Technology, Primary Industries and Service Industries Vocational Pathways.

Prerequisite: Level 2 Business Studies or with approval from the Curriculum Leader: Social Sciences.
Recoveries: \$30.00 (Work book)



Year 12 Economics NCEA Level 2

The course aims to introduce students to the main issues that affect an economy at the national level. Topics covered are inflation, economic growth, international trade and government policies for each issue.

Prerequisite: NCEA Level 1, including 10 Mathematics and 8 English or with approval from the Curriculum Leader: Social Sciences.

Recoveries: \$30.00 (Work book)

Year 13 Economics NCEA Level 3

The course aims to introduce students to micro and macro Economics in preparation for tertiary study. Topics covered include the analysis and understanding of: consumers, markets and business, as well as the role and significance of government policy, money markets, trade and the national economy. This course offers up to 24 credits over 5 Achievement Standards, 2 internal and 3 external.

Prerequisite: NCEA Level 2, along with a sound mathematical knowledge or with approval from the Curriculum Leader: Social Sciences.

Recoveries: \$40.00 (Study Guides and work books)

Years 12 - 13 Tourism NCEA Levels 2 & 3

This course is a two-year course designed to enable senior students to begin working towards the National Certificate in Tourism and Travel (Level 2). Students work independently by completing topic-related workbooks followed by an internally assessed task. In 2016 it is hoped that this course will be offered as an online subject. Students will be internally assessed by Unit Standards from Levels 2 and 3 of the Qualifications framework. Over a two-year cycle sufficient credits will be offered to gain the National Certificate Qualification. Both of these courses offer sufficient credits to meet the Sector Related requirements for the Service Industries Vocational Pathway

Standards offered cover:

- Pacific Islands, Australia and New Zealand as tourist destinations
- The history of world tourism
- The tourist industry
- Regional tourism in New Zealand
- World travel geography
- The social, cultural and environmental impacts of tourism.

Prerequisite: NCEA Level 1 including both Literacy and Numeracy requirements

Recoveries: Student work books \$75.00 New Zealand resident, \$150.00 Non-resident

Years 12 - 13 Environmental Studies/ Education and Sustainability NCEA Levels 2 & 3



Environmental Studies is a course made up of Achievement Standards from Education for Sustainability, Geography and Earth and Space Sciences involving predominantly internally assessed standards at NCEA Level 2.

The emphasis for this course is on investigating ideas, values and actions that will contribute towards a sustainable future. The final scope and nature of this course will ultimately be determined by the interests of the students opting to undertake.

This course will enable students to develop an understanding of issues around sustainability in order to engage constructively with the challenges of this future-focused theme using contexts of their own choice.

This course has recommended credits available for the Primary Industries Vocational Pathways.

Computing



Staff to contact: M Ross

Year 11 Computing Applications NCEA Level 1

Based around office computing, this course of study will teach the basics required to participate in a digital society and the fundamentals of a wide range of applications. This is an entry level computing course assessed using Unit Standards at Level 1. This course is designed for students who know they will need a basic set of computing skills in the future.

Recoveries: None Printing Cost Estimate: \$10.00

Prerequisites: None

Year 11 Computing Information and Media NCEA Level 1

Based around web pages and multimedia applications, this course of study will be assessed using Level 1 NCEA Digital Technology Achievement Standards. Students are required to demonstrate competency in design principles, HTML and other webpage technologies, manipulation and production of graphic images using a computer, animation and the accessing and processing of information from a range of sources. This course offers a mix of internal and external Achievement Standard credits.

Recoveries: None

Prerequisites: Year 10 Computing

Year 11 Computing Technical NCEA Level 1

Based around technical computing, this course of study investigates programming and computer science, the hardware and networks that we use, as well as electronics. We solder and program a PICAXE chip, which we then use to drive motors and receive input from sensors. This course is designed for students who are interested in a career in robotics, programming and /or computer science. There is a large take home component of the electronics section and the recoveries reflect this. This course offers a mix of internal and external Achievement Standard credits.

Recoveries: \$90.00 Printing Cost Estimate: \$10.00

Prerequisites: Year 10 Computing

Year 12 Computing Applications NCEA Level 2

Based around office computing, this course of study will teach the basics required to participate in a digital society and the fundamentals of a wide range of applications. Assessed using Unit Standards at Level 2, this is an entry level computing course. This course is designed for students who know they will need a basic set of computing skills in the future. Efforts will be made to achieve literacy requirements while also gaining Level 2 Computing Unit Standards. This course offers Unit Standards credits.

Recoveries: None Printing Costs Estimate: \$10.00

Prerequisites: None

Year 12 Computing Information and Media NCEA Level 2

Based around web pages and multimedia applications, this course of study will be assessed using Level 2 NCEA Digital Technology Achievement Standards. Students are required to demonstrate competency in design principles, HTML and other webpage technologies, manipulation and production of graphic images using a computer, animation, databases and accessing and processing information from different sources. This course offers a mix of internal and external Achievement Standard credits.

Recoveries: None

Prerequisites: Y11 Computing Information and Media



Year 12 **Computing Technical** **NCEA Level 2**

Based around technical computing, this course of study investigates programming and computer science, the hardware and networks that we use, as well as electronics. We etch and create our own circuit boards and program the PICAXE chip, which we then use to build a robotics project. We also write software programs and look at some fundamental principles of Computer Science. There is a large take home component of the electronics section and the recoveries reflect this. This course offers a mix of internal and external Achievement Standard credits.

Recoveries: \$90.00 or \$20 if students still have equipment from the previous year
Prerequisites: Year 11 Computing Technical Printing Cost Estimate: \$10.00

Year 13 **Computing Applications** **NCEA Level 3**

This course of study will further build on the skills learnt in the Y12 applications course. Based around office computing, this course of study will teach the basics required to participate in a digital society and the fundamentals of a wide range of applications. Assessed using Unit Standards at Level 3, this course is designed for students who are really interested in a career in computing but who struggle to achieve Achievement Standards. This course offers up to 18 credits from Level 3 Unit Standards.

Recoveries: None Printing Costs Estimate: \$10.00
Prerequisites: 8 credits in English at Level 2. 12 credits in Computing at Level 2.

Year 13 **Computing Information and Media** **NCEA Level 3**

This course uses the Digital Technologies Information and Media Achievement Standard and requires students to develop an in-depth media product. PHP and MySQL are covered in depth and students will learn real world-valued webpage and design skills. This course offers a mix of internal and external Achievement Standard credits.

Recoveries: \$5 Printing Costs Estimate: \$10
Prerequisites: Y12 Computing Information and Media

Year 13 **Computing Technical** **NCEA Level 3**

Based around technical computing, this course is for students with a passion for or who are looking for a career in Computer Science, Electronics or Programming. Topics covered are programming and building a graphical user interface, advanced robotics and a computer science in depth report. This course offers Achievement Standard credits and qualifies students for University entrance and course endorsement. Some university computer science departments allow alternative courses for students who complete the standards offered in this course.

Printing Costs Estimate: \$10
Recoveries: \$105 or \$25 if students still have equipment from the previous year
Prerequisites: Y12 Computing Information and Media

Textiles and Design (Creative Technology)



Staff to Contact: **Trish Nelson** (Teacher in Charge)

This course is student centered where students will adapt concepts to suit their own needs and opportunities. It focuses on developing an understanding of textiles in our daily lives. Students will learn to appreciate the significance of the global textile industry, developing an understanding of fibres and fabrics and consumer relations that result from this. It is a chance for them to be creative in the production of their designs for the outcomes they will create.

Year 11 **Textiles and Design** **NCEA Level 1**

Textiles and Design at Level 1 will involve the students doing a mix of internal and external standards. Students will have the opportunity to design their own course based on their interests', needs and abilities. Students may choose to do the following:

- Undertake brief development to address a need or opportunity.
- Use design ideas to produce a conceptual design for an outcome to address a brief.
- Implement basic procedures using textile materials to make a specified product.
- Demonstrate understanding of basic concepts used to make products from textile materials.
- Make basic adaptations to a pattern to enable a design to fit a person or item.
- Demonstrate understanding of design elements.
- This course offers a range of recommended credits in Construction and Infrastructure, Manufacturing and Technology, Primary Service and Creative industries as well as 11 credits in the Sector Related section of the Creative Industries Vocational Pathway.

Prerequisite: None

Recoveries: \$30 (plus own materials)

Year 12 **Textiles and Design** **NCEA Level 2**

Textiles and Design at Level 2 will involve the students doing a mix of internal and external standards. Students will have the opportunity to design their own course based on their interests', needs and abilities. Students may choose to do the following:

- Undertake brief development to address an issue.
- Develop a conceptual design for an outcome.
- Implement advanced procedures using textile materials to make a specified product with special features.
- Undertake effective development to make and trial a prototype.
- Demonstrate understanding of the role of material evaluation in product development.
- Make advanced adaptations to a pattern to change the structural and style features of a design.
- Understanding sustainability in design.
- This course offers recommended credits in Construction, Manufacturing and Technology, Primary and Creative Industries, Vocational Pathways as well as 10 Sector Related credits in the Creative Industries Vocational Pathway.

Prerequisite: Creative willingness to learn

Recoveries: \$30 (plus own materials)

Year 13 **Textiles and Design** **NCEA Level 3**

Textiles and Design at this year level will involve the students doing a mix of internal and external standards at the level appropriate to their ability. Students will have the opportunity to design their own course based on their interests and abilities. Students may choose to do the following:

- Develop designs for their fashion items.
- This course offers recommended credits in Construction, Manufacturing and Technology, Primary and Creative Industries, Vocational Pathways as well as Sector Related credits in the Creative Industries Vocational Pathway.
- Organise a fashion show.
- Create specialised products using advanced procedures.
- Re-fashion garments into amazing creations

Year 13 **Textiles and Design** **NCEA Level 3**

- Enter design competitions.
- Organise a trip to WOW.
- Study and meet New Zealand designers.

Prerequisite: Have an interest in the fashion industry and in sewing.

Recoveries: \$40 (plus cost of materials)

Design and Visual Communication



Staff to contact: **G Stevenson** **(HOF Technology and DVC Curriculum Leader)**

Design and Visual Communication focuses on the three inter-related strands of graphics practice, structured design and visual communication where visual literacy and creative thinking are developed using a range of visual communication techniques. It can encompass both spatial and product design. The ability to communicate ideas in spoken, written and visual form along with the ability to logically problem solve are some of the most important life and vocational skills that a person can possess. These skills are essential for effective communication in a technological society.

Level 2 Achievement Standards are recommended standards to study in 4 of the 6 vocational pathways and are related standards in one of the remaining 2 pathways. This subject provides a pathway of learning with progression through to tertiary institutions where there are a number of exciting graduate and post-graduate courses. These lead to numerous very desirable vocations. To gain access to these educational and vocational opportunities it is very advantageous to study Design and Visual Communication at secondary school level.

Year 11 **Design and Visual Communication** **NCEA Level 1**

The Level 1 course involves 5 Achievement Standards assessed externally (50%) and internally (50%). Achievement based criteria for assessments exist for identified learning outcomes within each Achievement Standard. There is an expectation that students will work independently to the best of their ability and focus on achieving subject endorsements. The course involves deepening student understanding of the skills that underpin design, formal drawing systems and informal drawing techniques.

Prerequisite: It is expected that students will have some experience of DVC in Year 9 and Year 10
Recoveries: \$25.00

Year 12 **Design and Visual Communication** **NCEA Level 2**

The Level 2 course involves Achievement Standards assessed externally (44%) and internally (56%). The design brief approach of using lifelike scenarios, briefs and attributes is applied throughout the course with deeper emphasis on design problem solving techniques, articulation of ideas and the use of more complex formal and informal drawing systems and techniques. There is an expectation that students will work independently to achieve subject endorsements.

Prerequisite: Level 1 DVC, or with approval by the Curriculum Leader
Recoveries: \$35.00

Year 13 **Design and Visual Communication** **NCEA Level 3**

The Level 3 course follows on from Y12 NCEA Level 2 and is an Achievement Standards course. Students may select the standards they wish to attempt from both internal and external standards. It allows students to gain credits using design briefs to resolve problems that require specialised graphics knowledge. Students will be expected to select and use a range of suitable drawing systems and computer programmes, communicate ideas, evaluate thinking and information and present these in appropriate modes. Again, there is an expectation that students will work independently to achieve subject endorsements. Scholarship is available to students who wish to extend 'excellence' grades achieved in the 3 Achievement Standards chosen.

Prerequisite: Level 2 DVC, or with approval by the Curriculum Leader
Recoveries: \$30.00

Engineering and Automotive



Staff to contact: Mr R Pincham or Mr G Fletcher

The following courses can link to Gateway placements. Students interested in this option should approach Mr Mike Smith to see what opportunities are available.

The National Certificate of Mechanical Engineering Level 1 (40 credits) is a qualification that has been developed for secondary school students interested in mechanical engineering/metals related careers. High emphasis is placed on safe working practices and practical work. The standards require theory work to be completed to an acceptable national standard. The course combines the following basic skills and knowledge:

- Workshop and Workplace Health and Safety
- Basic Arithmetic and Applied Geometry
- Workshop Processes, Techniques and Tools
- Materials Technology
- Fastening, Assembly and Welding Processes
- Simple Design and Construction Methods

Year 11

Engineering

NCEA Level 1

The course offered at MBAS involves both achievement standards and unit standards which generate credits (approximately 24) towards both the NCME qualification and a subject endorsement in Technology. Additional credits from NCEA fields including Science, English, Maths and Design and Visual Communication (DVC) can be used to complete the 40 credits required for the National Certificate. Additional credits from Digital Technology, Construction and Mechanical Technology (Wood + Fabrics) and DVC can be used to complete the 15 credits required for the subject endorsement in Technology. A commitment to attend during timetabled hours is an essential requirement along with appropriate industrial clothing and footwear.

Prerequisite: Year 10 Metal Technology is essential.

Recoveries: \$50 for materials and incidentals (this includes issue of safety glasses to each student).

Year 12

Engineering

NCEA Level 2

As with the Level 1 NCME the National Certificate of Mechanical Engineering Level 2 (62 credits) is a qualification that has been developed for secondary school students interested in mechanical engineering/ metals related careers and it is a well-regarded qualification. 50 credits are to come from compulsory Engineering/safety/health related units and 12 from machining or fabrication units. This qualification represents a set of foundation skills for mechanical engineering and related trades. The qualification may be used as the first stage of an apprenticeship or as the basis for general engineering, machining, fitting, engineering maintenance, engineering fabrication and marine engineering. Holders of this qualification have the following skills and knowledge relevant to the mechanical engineering industry.

- health & safety
- measurement
- engineering tools
- machining or fabrication operations
- welding safety and procedures
- trade maths and mechanics
- metals and other materials used in engineering
- fasteners and assembly

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The MBAS course which provide credits towards the NCME requires a very strong commitment to the theory and practical components if it is to be achieved over 2 years. The course offered involves achievement standards supported with unit standards. When these are combined with standards from other subject areas they allow for the National Certificate and a Technology subject endorsement to be attained. It is a realistic aim to achieve the standards in this course if a steady approach to work is maintained. Students are also able to complete additional standards to fulfil the requirements for the National Certificate through Gateway and tertiary courses. For returning students, it is possible to continue with this course as part of their Y13 programme. A commitment to attend during timetabled hours is an essential requirement along with appropriate industrial clothing and footwear.

Prerequisites: **Completion of Level 1 Engineering is essential** along with sound English and Maths skills
Recoveries: \$50.00 for materials and incidentals (this includes issue of safety glasses to each student).

Year 13 **Engineering**  **NCEA Level 3**

This Level 3 course delivers Achievement Standard supported by Unit Standards and provides opportunity for students to design and fabricate a major project of their choosing. The foundation skills required for success will have been developed during Level 1 and Level 2 in Engineering. The course integrates theory with practical project work. BOTH components are required to be completed to required assessment criteria if standards are to be achieved. Project work will require the student or clients to purchase materials or components (depending on the choice of job) and can include a wide range of options. A commitment to attend during timetabled hours is an essential requirement along with appropriate industrial clothing and footwear.

Prerequisites: **Completion of Level 2 Engineering is essential** and sound English and Maths skills.
Recoveries: \$50.00 for materials and incidentals (this includes issue of safety glasses to each student)

Engineering and Associated Trade Skills (EATS)



Staff to contact: R Pincham (TIC Trade Academy, engineering curriculum)

If you would like a vocation in the Construction and Infrastructure or Manufacturing and Technology Sectors based around trades, then this is the course for you. It is an industry based pathway that will introduce and develop skill and knowledge that are used in various fields of engineering. The course is open to, and would be of significant benefit to, anyone wanting to pursue work experience, an apprenticeship or continue their studies through to pre-apprenticeship courses, within these vocational sectors. In particular welding, painting, auto electrical, hydraulic systems and sheet metal. As well as trade knowledge and skills the composition of this course may involve associated standards and learning in drawing, literacy, numeracy, CAD (computer aided design) and financial capability. These could generate additional credits. To allow for these extra studies students may opt to do this course over two learning blocks.

Year 12 **EATS Academy** **NCEA Level 2**
Students work on achieving level 2 industry based Engineering and Automotive Unit Standards in a workplace structured environment building a trailer. The learning focus for students is gaining hands on experience working as part of a team. Gateway involvement is a necessary part of the programme to engage students in real world learning with local businesses while offering an insight to the huge variety of industry.

Prerequisite: Year 11 Mechanical Engineering is essential. Students must be competent with Mathematics and be sound in English.

Recoveries: Overalls, steel capped work boots, safety glasses and earmuffs are essential. There is no materials fee for this course.

Technology in the New Zealand Curriculum

Mechanical Engineering



Staff to contact: R Pincham (TIC Trade Academy, engineering curriculum)

This course is designed to encourage students into vocations that include engineering related trades (industry training organisations) through to professional engineering (University Degrees). It has links to all 6 vocational pathways through Generic Technology achievements standards and industry training organisation unit standards. These give students the ability to effectively design a course for themselves that will best suit tertiary studies and vocations that they may desire.

Year 11 Mechanical Engineering NCEA Level 1

This hands on practical based course is designed to build workshop competency and safe practice necessary for the senior Trades Academy and Engineering/Automotive courses. Project work consists of skill building tasks as well as design work where student's creativity is challenged. Level 1 Achievement standards are available and recommended if university is the focus, otherwise the course is comprised of Levels 1 & 2 Engineering and Automotive Unit Standards. Good attendance is paramount and theory tasks are to be completed at home to allow students to make the most of available workshop time. This is necessary for students to be successful.

Prerequisites: Completing of year 10 Engineering Technology is essential. Students must have competency with Mathematics and a sound knowledge of English.

Recoveries: \$20 covers consumable costs for students working on individual self funded projects.
\$50 covers consumables and materials used by students who are set projects.

Year 12 Mechanical Engineering NCEA Level 2

This course offers students the opportunity to tailor their personalised course project and learning outcomes in negotiation with the tutor. Students engaging in this course may opt for Achievement Standards, Engineering Unit Standards, Automotive Unit Standards or a mixture of Unit and Achievement Standards.

It is important that all University bound Achievement Standard students and students who wish to work on an individual project of their choosing discuss their ideas with the course tutor before the end of the previous year to determine costs and suitability. The cost of the project materials must be paid in full before the project is started. To comply with course requirements students must be self-motivated taking ownership of their learning, preferably being ready with detailed design plans at the start of the year and costs sorted. Deadlines throughout the year must be agreed with the tutor and met. Good attendance is paramount and theory tasks are to be completed at home to allow students to make the most of available workshop time. This is necessary for students to be successful.

Alternatively students will be set a project and Unit Standards to complete.

Prerequisites: Completing of Level 1 is essential. Students must have competency with Mathematics and a sound knowledge of English.

Recoveries: \$20 covers consumable costs for students working on individual self-funded projects.
\$50 covers consumables and materials used by students who are set projects.

Year 13 Mechanical Engineering NCEA Level 3

This course is designed to further prepare students for an apprenticeship or focus students towards Tertiary training.

As in Level 2 students have the opportunity to tailor their personalised course project and learning outcomes in negotiation with the tutor or continue with the previous year's project.

Students engaging in this course may opt for Level 3 Achievement Standards. Trades focused students may continue with Level 2 Industry based Engineering or Automotive Unit Standards or a mixture of Unit and Achievement Standards.

Students may work on a project of their choosing with consent from the course tutor. The cost of the project materials must be paid in full before the project is started. To comply with course requirements students must be self-motivated taking ownership of their learning by being ready at the start of the year with their project design and costs sorted. Predetermined deadlines throughout the year and agreed with the tutor must be met. Good attendance is paramount and theory work is to be completed at home, to allow students to make the most of available workshop time, will be necessary for students to be successful.

Prerequisites: Completing of Level 2 is essential. Students must have competency with Mathematics and a sound knowledge of English.

Recoveries: \$20 covers consumable costs for students working on individual self-funded projects.
\$50 covers consumables and materials used by students who are set projects.

Building Construction and Allied Trade Skills (BCATS)



Staff to contact: Year Deans and G Stevenson (HOF Technology)

If you would like a vocation in the Construction and Infrastructure Sector based around trades, then this is the course for you. It is an industry based pathway that will introduce and develop skill and knowledge that are used in various fields of the building and construction industry. The course is open to, and would be of significant benefit to, any student in the senior school that has a desire to pursue work experience or an apprenticeship within this vocational sector and in particular building, plumbing or electrical. It forms part of the BConstructive programme, designed specifically to provide a progressive pathway for secondary school students to integrate into a wide range of trade-related occupations. The design and content of the BCATS qualification is the result of extensive national consultation with secondary schools and Tertiary Education Organisations.

As well as trade knowledge and skills the composition of this course may involve associated standards and learning for drawing, literacy, numeracy and financial capability. These could generate additional credits. To allow for these extra studies students may opt to do this course over two learning blocks.

Year 11 Building Construction & Allied Trade Skills (BCATS) NCEA Level 1

This course leads towards meeting the requirement for the BCATS qualification. It uses BCATS unit standards to gain credits at Level 1 and can lead towards National Certificates. Assessment is carried out through both internal assessment and external moderation.

The scope of the course covers

- Materials
- Safe working
- Workshop Processes
- Hand tools
- Jointing, hardware and fixings systems
- Along with completing practical tasks

Prerequisite: No prior knowledge is required

Recoveries: \$60

Year 12 Trades NCEA Level 2

This course builds on the Level 1 course which leads towards meeting the requirement for the BCATS qualification. It uses BCATS unit standards. Assessment is carried out through both internal assessment and external moderation.

The scope of the course covers

- An extension of Level 1 content material
- Theoretical and practical learning involved in a selection of trades of your choice

Prerequisite: Completion of the Level 1 course is advantageous but not essential.

Recoveries: \$80.00

Year 13 Trades NCEA Level 3

This course builds on the Level 2 course which leads towards meeting the requirement for the BCATS qualification. It will involve study in BCATS unit standards presently being developed for schools to use. Assessment is carried out through both internal assessment and external moderation.

The scope of the course covers

- An extension of Level 1 content material
- Theoretical and practical learning involved in a selection of trades of your choice

• Prerequisite: Completion of the Level 2 course is advantageous but not essential.

Recoveries: \$80.00

Construction Technology



Staff to contact: **D. Bristow** (Curriculum Leader)

The programmes are designed to encourage students into vocations that relate to design and construction technology pathways. It has links to all 6 vocational pathways through Generic Technology achievements standards and industry training organisation unit standards. These give students the ability to effectively design a course for themselves that will best suit tertiary studies and vocations that they may desire

Year 11 Furniture Making NCEA Level 1

Students will work on a combination of achievement and Unit Standards. Programmes can be individually tailored to suit the student needs, in consultation with the teacher. There is a mixture of practical and theory units which are all externally moderated. All of the practical projects must be constructed in the school workshop and include projects such as a bedside cabinet, trinket box and a turned coffee table.

Prerequisite: It is preferable that students have completed the Year 10 Technology programme but not essential.

Recoveries: \$60.00

Year 11/12 Marine Technology NCEA Level 2

Students will work on Unit Standards from the boat building industry all of which can be credited towards their NCEA. This is a full year course centred on the construction of a 2.4 metre yacht/dinghy in the workshop and is available for the students to purchase on completion. Alternatively students could build a craft of their choice (self funded). There are several workbooks to be completed in conjunction with the practical work. All work is externally moderated by UNITEC.

Prerequisite: Year 11 Furniture Making is desirable.

Recoveries: None, however students will have the option to purchase the completed boat.

Year 12 & 13 Carpentry/Technology (Hard materials) NCEA Level 2 & 3

Students have the option of studying unit standards, achievement standards or a combination. There is a mixture of practical and theory units. Students need to discuss their programme with the teacher so as to tailor it to their specific needs. The choice of practical work is dependent upon the type of programme the student chooses and will be discussed with the teacher at the commencement of the year. All projects must be constructed on site at school.

Year 12

Prerequisite: Year 11 Furniture Making is desirable.

Recoveries: \$ 65.00

Year 13

Prerequisite: Year 12 Carpentry desirable.

Recoveries: \$ 65.00

Special Interest Courses

MBAS Equestrian Academy



Contact: Shannon Gregory – 0273455063 – Shannon.gregory@windowslive.com

The Equestrian Academy course provides Y11 - Y13 students with knowledge, skills and confidence to ride, and look after horses while gaining NCEA credits. The team at Rangihau Ranch located in Coroglen can provide horses and equipment for those that don't have their own. Students will follow the widely recognised unit standards provided by STAR and Telford to gain Equine certification and NCEA credits. Equine theory will take place in the classroom and in students own time and once per week practical will take place at Rangihau Ranch, Coroglen. A range of riding and practical horsemanship skills alongside valuable theory knowledge will equip students with skills they may need to pursue an interest in the Equine industry.

Career opportunities, general life and equine skills:

Students will be encouraged to take responsibility for their own learning and goals through a positive and safe equine environment.

Students will be equipped with the foundation of skills to work in such places as racing stables, sport horse stables, and horse breeding farms.

There will be opportunities for students to trial to represent the school in inter-schools competitions held during the school year.

Year 1 Equestrian Academy

NCEA 1/2/3

This programme is open to Y11-Y13 students who have interest in the equine industry, are already involved in the equestrian scene and for those who have little or no horse riding experience.

Recoveries: Yet to be confirmed

Year 2 Equestrian Academy

NCEA 3/5

This programme is open to Y11-Y13 students who have interest in the equine industry, are already involved in the equestrian scene, and for those who have little or no horse riding experience.

Recoveries: Yet to be confirmed

Marine Academy



Staff to contact: M Smith

The Marine Academy course provides both Y12 and Y13 students with the knowledge and skills required to safely enjoy scuba diving. Experienced professional dive instructors located at Dive Zone, Whitianga, provide all necessary equipment and training. Students follow the widely recognised PADI system of diver education gaining both PADI certification and NCEA credits. Diving theory will take place in the classroom using a variety of teaching resources including textbooks, DVD and PowerPoint presentations. Practical work begins in the swimming pool and progresses to shore dives quickly followed by boat dives. A range of experiences including a dive expedition and specialised diving techniques are available as students gain confidence and advance their skills. Through progressive training students will follow courses on night diving, deep diving and rescue diving. There will also be opportunities to learn about the marine environment as students identify fish species and carry out basic underwater research tasks using still and video cameras.

Career Opportunities & General Life Skills:

PADI Instructor, Commercial Diver (e.g. Aquaculture Diver) and an appropriate background for marine biology, eco-tourism and the fisheries industry. Students will develop respect and trust in others and will learn to work collaboratively and safely in a marine environment. Students will also be expected to take on responsibility and meet the challenges of learning new technical skills.



Year 1 Marine Academy

NCEA Level 3/4

This programme is open to both Y12 and Y13 students who have little or no diving experience.

PADI qualifications include:

- PADI Open Water Diver
- PADI Advanced Open Water Diver

Prerequisite: A satisfactory pre-dive training medical to be completed by your GP.
Recommendation by your Dean.

Recoveries: \$2500.00 New Zealand resident/\$4000 Non-resident

Year 2 Marine Academy

NCEA Level 3/4

This programme is open to Y13 students who have successfully completed Year 1 of the Marine Academy. Alternatively, Y12 and Y13 students who have not completed Year 1 but who already hold the PADI Advanced Open Water certificate and have logged at least 10 dives will also be considered following interview. PADI qualifications include:

- PADI Rescue Diver
- PADI Master Scuba Diver

Prerequisite: As Year 2 is a more demanding course students will need to demonstrate an appropriate level of fitness for performing diver rescues and will have also shown commitment, responsibility and aptitude to further advance their knowledge and skills.

Co-requisite: Y13 students who wish to take Marine Academy at either Year 1 or Year 2 must gain approval from both his/her dean and the school principal.
Some students choose not to follow the programme for a full academic year and may gain a PADI qualification with associated NZQA credits in one or two terms only. This option reduces the cost. Speak to Mr Smith for further details.

Recoveries: \$2500.00 New Zealand resident/\$4500 Non-resident

Food & Nutrition



Year 11, 12 & 13 Edu-Caterer

NCEA Level 1,2 & 3

Would you like to work in the hospitality industry?

Would you like to learn new skills that would lead to being able to work in a café or restaurant?

Would you like to help with the setting up and running of a café or restaurant?

Then this is the course for you.

An industry based pathway course, this will develop and build the skills that are used in the food service industry. This course is open to any student from

Years 11-13, prior knowledge is not needed but a love of food and food preparation is important. Standards will be chosen to meet the learning needs of each student.

Menu of Subjects

This menu provides an opportunity to plan their courses from NCEA Level 1 to Level 3. It includes courses that may be offered in 2017 and 2018

For full details of all 2017 courses please refer to the content in the guide
emailed to parents/students or at www.mbas.ac.nz

NB: Courses will only operate if there are sufficient numbers

NCEA Level 1	NCEA Level 2	NCEA Level 3
English English Language Media Studies	English English Language Media Studies	English English Language Media Studies
Business & Enterprise Studies History Environmental Geography	Business Studies Geography History Economics Tourism Environmental Studies / Education for Sustainability	Business Studies Geography History Economics Tourism
Mathematics - Numeracy for Trade & Industry Mathematics - Statistics Mathematics - Calculus	Mathematics for Trade & Industry Mathematics with Calculus Mathematics and Statistics	Mathematics for Commerce & Enterprise Calculus Statistics
Science Science Applied Horticulture	Biology Chemistry Horticulture Physics Science and Educations for sustainability with Statistics	Biology Chemistry Physics Science and Educations for sustainability with Statistics
Physical Education or Outdoor Education Health Education Food & Nutrition Hospitality and Catering	Physical Education Outdoor Education Health Education Food & Nutrition Hospitality and Catering	Physical Education Outdoor Education Applied Physical Education Health Education Food & Nutrition Hospitality and Catering
Dance Drama Music Performing Arts Technology Visual Art Photography- Design	Dance Drama Music Performing Arts Technology Practical Art – Design Practical Art – Painting Practical Art – Photography	Dance Drama Music Performing Arts Technology Practical Art – Design Practical Art – Painting Practical Art – Photography
Computing Applications Computing Information & Media Computing Technical Design and Visual Communication Textiles and Design Furniture Making Marine Technology – Boat Building Mechanical Engineering Building Construction & Allied Trade Skills	Computing Applications Computing Information & Media Computing Technical Design and Visual Communication Textiles and Design Carpentry Marine Technology – Boat Building Mechanical Engineering Engineering EATS Academy Building Construction & Allied Trade Skills Construction and Mechanical Technologies	Computing Applications Computing Information & Media Computer Technical Design and Visual Communication Textiles and Design Carpentry Engineering Mechanical Engineering Building Construction & Allied Trade Skills Construction and Mechanical Technologies
Te Reo Māori Other languages (DL) Japanese	Te Reo Māori Other languages (DL) Japanese	Te Reo Māori Other languages (DL)
Equestrian Academy Edu-caterers Te Ao Māori	Gateway Marine Academy Equestrian Academy Edu-caterers Te Ao Māori	Gateway Marine Academy Equestrian Academy Edu-caterers Te Ao Māori

DL = Distance Learning Course

Students may study subjects at a variety of levels.

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Mercury Bay Area School