



**Napier Boys' High School**

## 2023 COURSE SELECTION GUIDE

For Years 9 to 12 students at Napier Boys' High School



# TABLE OF CONTENTS

INTRODUCTION	3
NCEA - THE BASICS	3
ALTERNATIVE COURSES OF STUDY	5
YEAR 10 COURSES	6
LEVEL ONE COURSES	11
LEVEL TWO COURSES	26
LEVEL THREE COURSES	45



# INTRODUCTION

This guidebook is a starting point for Y9 - 12 students to build an academic programme that suits them. It should be used in conjunction with the information from the Careers Department.

Students are encouraged to make ‘informed decisions’. This means speaking with a variety of different ‘voices’ before making their course selection. This includes parents, whānau, teachers, Deans, Careers Department and of course people in the related industries.

The intention is to build a programme of study that meets the student’s future needs, whether they have an intended career pathway or are wanting to give themselves a variety of options.

For Seniors we have grouped subjects into their NCEA level.

**At NCEA Level 1 (Year 11):**

- 1. Students have compulsory English
- 2. Students have compulsory Mathematics
- 3. Students have compulsory Science
- 4. Students select THREE other subjects.

**At NCEA Level 2 (Year 12):**

- 1. Students select a compulsory English course
- 2. Students select FIVE other subjects

**At NCEA Level 3 (Year 13):**

- 1. Students select FIVE subjects
- 2. If students intend going to university it is important they check and understand the requirements for University Entrance.

\*Please note: Some courses may not run due to low class numbers.

# NCEA: THE BASICS

The National Certificate in Educational Achievement (NCEA) is the main qualification in NZ schools. In each subject, skills and knowledge are assessed against several standards, Achievement or Unit Standards. When a student achieves a standard, they gain credits. Students must achieve a certain number of credits to gain an NCEA certificate. Standards will be internally assessed, or externally via national examinations or moderation.

LEVEL 1	LEVEL 2	LEVEL 3
80 credits at Level 1 or above (including 10 literacy credits and 10 numeracy credits)	60 credits at Level 2 or above 20 credits from anywhere on the National Qualifications framework Level 1 literacy and numeracy	60 credits at Level 3 or above 20 credits at Level 2 or above Level 1 literacy and numeracy
Total = 80 credits	Total = 80 credits	Total = 80 credits

## **Endorsement**

When students perform consistently above the 'Achieved' level, their result(s) can be 'endorsed' to reflect that high achievement. This can occur at either the certificate or individual course level.

### **Certificate Endorsement**

For an NCEA certificate to be endorsed with Excellence a student must gain 50 credits at Excellence at the level of the certificate or above. So, if a student has 50 Level 1 credits at Excellence their Level 1 certificate will be endorsed with Excellence. Likewise, if a student gains 50 credits at Merit (or Merit and Excellence) at Level 1 their NCEA Level 1 certificate will be endorsed with Merit. Endorsement awards show on the Record of Achievement.

### **Course Endorsement**

Course endorsement provides recognition for a student who has performed exceptionally well in an individual course.

Students will gain an endorsement for a course if, in a single school year, they achieve:

- 14 or more credits at Merit or Excellence, and
- at least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards. Note, this does not apply to Physical Education and Level 3 Visual Arts.

## **UNIVERSITY ENTRANCE**

Students must have:

- NCEA Level Three certificate.
- This includes a minimum of 14 credits at Level 3 or higher in each of three university approved subjects.
- a minimum of 10 credits at Level 1 or higher in Mathematics.
- a minimum of 10 credits at Level 2 or higher in English or Te Reo Māori; 5 credits must be in Reading and 5 credits must be in Writing.

Some University courses have much stricter requirements than just University Entrance and require students to reach a Guaranteed Entry Score to gain a place in the course they wish to study. Students need to check with the Careers Department re the exact requirements for the tertiary course they wish to take.

*\*You can find more information related to University Entrance and Literacy and Numeracy requirements at [www.nzqa.govt.nz](http://www.nzqa.govt.nz)*



# ALTERNATIVE COURSES OF STUDY

## **Gateway**

Gateway - Te Tomokanga builds links between school and business and allows schools to offer workplace learning opportunities. The programme develops students' vocational skills while still at school. They will be able to get first-hand experience of what it is like in the workforce and begin the qualifications needed in 'today's job market'.

Students involved in NCEA Levels 2 and 3 can pursue these qualifications whilst beginning a trade/career specific qualification. They may be registered with the appropriate Industry Training Organisation (ITO) to begin their workplace training.

Students are encouraged to find their own placement. Students are in a training situation and are not paid while on Gateway placement. Students chosen for the programme need to be committed to it. They will become full members of an organisation's workplace and will be treated much the same as any other employee and follow the school rules as applicable to students outside the classroom.

There are limited Gateway places. Students need to apply and go through an interview process. Selection will be via a panel.

## **Trades Academy**

Trades Academy assists Level 2 & Level 3 students along the career highway towards a vocational qualification while still at school. Students can remain engaged in education, be assisted in transition from a secondary to tertiary learning environment, and gain credits towards NCEA Level 2 and a tertiary qualification.

The Academy is a partnership between secondary schools, EIT and Industry.

## **Entry Requirements:**

- Studying at Levels 2 and 3
- Have completed at least 80 credits at NCEA Level 1
- Have a genuine interest in a particular career area
- Gain approval from your school and parents/guardians
- Attend an interview and create a personal education plan
- Be motivated to succeed.

## **STAR**

STAR is the Secondary Tertiary Alignment Resource which allows some students to participate in courses provided by tertiary institutions such as University of Canterbury.

As STAR courses are done in addition to the normal school subjects. The decision about which programmes run is made based on student demand and funding. Historically, this programme has been tagged to the Accelerate students. However, other programmes of study – like aviation – are accessible. Students interested in this type of programme should discuss this with the Senior Master, Curriculum.

\*Y12 students wanting to enrol in one of the above courses must select this as their 'seventh' subject selection. Y13 students must select it as their 'sixth' subject.

# YEAR 10 COURSES

## Compulsory Courses

All Year 10 students study the following compulsory courses English, Mathematics, Science Physical Education / Health and Social Sciences.

## Elective / Optional Courses

Students must choose FOUR optional courses. Students can choose up to TWO Hard Technology subjects.

Agriculture/Horticulture	Māori Studies
Art	Music
Athlete Development Programme	Spanish
Business Studies	Technology - Engineering
Food Technology	Technology - Combined Materials
Graphics: Design & Visual Communication	Technology - Woodwork
Japanese	

## AGRICULTURE & HORTICULTURE

### Course Content

Initially the students study plant production and soils to give a foundation of knowledge that can then be applied to other agricultural production systems. The school's tunnel-house and gardens are used to give the students a practical understanding of these topics.

Students will then study different components of primary production within NZ:

- Land use: land types, infrastructure, inputs
- Pests and Weeds: identification, control methods
- Pasture and cropping: establishment, maximising growth and harvesting efficiency
- Farming systems: sheep & beef, dairying and horticulture.

We aim to keep the course flexible and dynamic and will often include relevant topics that are currently affecting NZ farmers.

The students visit farms to gain valuable hands-on experience of practical farm work - docking and fencing - to bring relevance and give real world application to the classroom theory. The field trip to Stortford lodge sale yards is always a popular and informative experience.

## ART

### Course Content

The course aims to develop practical knowledge and ideas in the Visual Arts. We study art-work and artist models from different cultures and genres to develop awareness and visual literacy. The course is structured around:

- Popular Culture – exploring pop culture and how familiar images help students relate their work to the here and now.
- Composition and Design Principles – a focus on the different ways to arrange visual elements in an image.



## ATHLETE DEVELOPMENT PROGRAMME

---

### Course Content

The Napier Boys' High Athlete Development Programme is a high-performance programme aimed at developing athletes to reach the top of their respective sports. The programme philosophy matches the school's philosophy that students must be committed to their academic studies as their main priority. A strong work ethic is critical to both the academic and sporting success of students. Content covered by the programme includes:

- Sports Nutrition
- Specialist skill training
- Goal setting
- Time management
- Fitness testing
- Training methods
- Skill development
- Measuring improvement
- Sports psychology
- Coaching
- Dealing with success and failure
- Sports leadership
- Team and individual philosophy

Students that are interested in the programme should select this as their fourth option. They will then be asked to complete an application form. Selection is not limited to pure sporting ability. Students must display academic effort and focus in all areas of school life. Selection for the programme will be by a panel. Students will be notified of entry in Term 4.

\*Students wanting to enrol in the Athlete Development Programme must select this as their 'fifth' subject selection.

## BUSINESS STUDIES

---

### Course Content

The emphasis at this level is on individuals and their immediate grouping, such as family and whānau. The course will enable students to understand how individuals make economic decisions and assist them to gain the skills needed to manage their personal limited means. The topics covered include:

- The economic problem
- Exchange
- Income
- Taxation
- Spending your income
- Demand
- Saving your income
- Borrowing
- Insurance
- Consumer as a producer
- Basic accounting
- Personal budgeting

## FOOD TECHNOLOGY

---

### Course Content:

The Year 10 course extends the healthy lifestyle of the Year 9 option. The course includes study of food safety, teen nutrition, meal planning and world cultural perspectives on food. The course challenges students to explore the technological process involved in food design, including designing a hamburger and ice-cream. Students will demonstrate a range of culinary skills and gain confidence in safe food handling. One lesson in each cycle will be devoted to practical work.

## GRAPHICS – Design & Visual Communication

---

### Course Content:

Taking Year 9 Graphics would be an advantage but is not essential. The focus of this course is to prepare boys for NCEA Level One. The first half of the course reinforces and extends the technical drawing skills learnt in Year 9. Topics include:

- Geometric constructions
- Orthographic drawing, that is using two dimensional images to communicate three dimensional objects
- Paraline drawing techniques such as Oblique and Isometric
- AutoCad and Sketchup Pro are available in the classroom or as a free download as an extension tool for those who have mastered the pencil.

The second part of the course introduces design. We start with generic sketching skills and explore design as an integrated graphic process. The use of digital technologies is discouraged until the core skills have been mastered.

## JAPANESE

---

### Course Content:

Become a proficient speaker of Japanese, and learn to understand the writing system of Japan, the 'Land of the Rising Sun'. Class activities involve reading, writing, listening to and speaking Japanese. As the world's third largest economy, with a massive technological and industrial base, New Zealand and Japan have a very strong economic relationship. This has also developed into strong cultural and sporting links, as well as a huge tourist trade. Learn Japanese and become involved with that exciting nation.

Japanese in Year 10 is based on Levels 3 and 4 of the Learning Languages area of the New Zealand Curriculum, and the Curriculum Guide for Japanese. The course covers a variety of written/visual Japanese texts relating to people, food, clothes, the past, and future, as well as pastimes. There is a trip to Japan in 2023.

## MĀORI STUDIES

---

### Course Content:

Students will consolidate the language and culture learnt in Year 9. In particular, they will develop their oral skills so that they can speak confidently, in Māori, in public. They will cover some new topics including:

- Family life
- School life
- Sport and leisure
- Daily routine
- Health



## MUSIC

---

### Course Content:

Students taking this course will continue to develop skills gained in Year 9 Music. It is compulsory for all students to take regular instrumental or vocal tuition at school or private. They are also encouraged to participate in extra-curricular music groups, such as: School Band, Pipe Band, Choir, Barbershop or own rock or chamber groups. The three main components of the course are:

- Composition
- Sound editing
- Performance music studies.

Students will learn from a variety of topics, that include instruments of the orchestra, Māori music, history of pop music and theory. They will also use composing and sound editing software to compose original music.

Students will perform in class as soloists and develop group performance skills. They are expected to perform at the Junior Performance Evening in Term 3.

## SPANISH

---

### Course Content

Join the opportunity to become a proficient speaker of Español and develop the ability to speak with people from Spain, Argentina, Mexico, Chile, Peru and most other nations of South and Central America.

The class activities involve reading, writing, speaking and listening in the Spanish language. The strength of New Zealand as an exporting nation relies on our relationships with a large variety of nations around the world, so learning Spanish will enhance this.

Spanish in Year 10 is based on Levels 3 and 4 of the Learning Languages area of the New Zealand Curriculum, and the Curriculum Guide for Spanish. The course covers a variety of written/visual Spanish texts relating to people, food, clothes, the past, and future, as well as pastimes.

There is the option of a trip to Spain or Argentina in 2024.

## TECHNOLOGY – COMBINED MATERIALS

---

### Course Content

The course continues to develop student understanding gained in Y9. Further development of design principles and approaches, hand and power tool skills is used to inform their own workshop practices. Students learn to understand how materials can be formed, manipulated and/or transformed to enhance the fitness for purpose of a product. Content covered includes: health & safety, structures, mechanisms, timber, metals, composites and fixing & jointing methods. Each practical project is graded on “fitness for purpose”.

## TECHNOLOGY - ENGINEERING

---

### Course Content

This course builds on the skills that were taught in the Year 9 programme. The focus is basic trade-based skills that will give a foundation for the projects undertaken in Level 1 NCEA. It includes:

- More advanced work on all machines including lathe work, milling and drilling
- Gas and electric welding
- Plan interpretation and design work to make projects.

Theory covering machines and materials used is included.

## TECHNOLOGY - WOODWORK

---

### Course Content

This course develops basic wood working skills by creating a range of projects with accompanying theory. Course content includes:

- further development of hand tool skills
- an introduction to the use of all wood working machines
- the use of timber joints and other processes incorporated in project construction
- timber technology and related fields.

Theory will be covered as required.





# LEVEL ONE COURSES

## Course Selection

Year Eleven students in their third year at secondary school are expected to select a course consisting of six subjects.

## Compulsory Courses

All Level 1 students study the following compulsory courses English, Mathematics and Science. This can be the alternate option.

Accounting	Music
Agriculture/Horticulture	Health & Physical Education
Art	Sport & Recreation (2)
Digital Information Technology	Spanish
Economic Studies	Te Reo Māori
Food and Nutrition or Hospitality (2)	Tikanga
Geography	Technology - Engineering
Graphics- Design and Visual Communication	Combined Technologies Workshop
History	Technology - Woodwork
Japanese	

## Note:

1. Selection of English and Mathematics is compulsory in Year Eleven. Students must choose one of the two courses offered in these subjects.
2. Science is compulsory in Year 11. If your son finds Science difficult and as a result is working below Level 5 of the National Curriculum by the end of Year 10 he will be placed into a specialised Alternate Science course. This course is designed to cater for students who need more support in this curriculum area.
3. The alternate or less academic subjects are clearly marked with (2) beside them.
4. Students should consult with their tutor, dean and Careers Department if they wish to select more than ONE workshop subject.
5. Technology subjects, including Hospitality, have charges / costs for take home components.
6. Enrichment / Accelerate students: The purpose of the programme is to enrich the student's learning and thinking. For example, we encourage them to enrich their learning and skills by choosing other subjects, and not immediately tracking onto study the NCEA Level 2 course in Science and the Social Sciences.
  - Mathematics – students who studied NCEA Level 1 Mathematics may take Level 2 Mathematics if they get a MERIT endorsement in Level 1 Mathematics.
  - Science - students who studied NCEA Level 1 Science in Year 10 may choose to study a Level 2 Science course - Biology, Chemistry, Earth and Space Science or Physics - if they get a MERIT endorsement in Level 1 Science. Refer to the entry prerequisites specified for each Level 2 Science course in this booklet.
  - Social Sciences - Y10 Enrichment / Accelerate students who wish to continue in History or Geography must gain a MERIT endorsement in that subject. It is anticipated that students choose another social science subject in their Y11 course.

## ACCOUNTING LEVEL ONE – NCEA

---

### **Pre-requisite:**

There is none at this level.

### **Course Aims:**

This course aims to:

- Promote knowledge and understanding of accounting as a financial language for trading and service businesses.
- Apply financial knowledge and skills to practical situations.

### **Course Context:**

The context of study is limited to:

- Individuals and households
- Community organisations
- Sole proprietors registered for GST on payment basis

### **Course Content:**

The course is divided into four sections:

Section A:

The Conceptual Basis of Accounting:

Students can understand the principles on which accounting is based and how they are applied in a range of situations.

Section B:

Accounting Systems:

Students can understand an accounting system, including documents, accounting records and appropriate control measures.

Section C:

Processing:

Students can record and process financial transactions for individuals, community organisations and sole proprietors.

Section D:

Accounting Reports:

Students can report financial information and analyse it.

### **Assessment:**

This course offers a total of twenty-one credits towards the National Certificate in Educational Achievement. Thirteen of these credits are internally assessed and eight are externally assessed.



## **AGRICULTURAL/HORTICULTURE LEVEL ONE – NCEA**

---

### **Pre-requisite:**

There is no pre-requisite required although it is recommended that Year 10 Ag/Hort would be an advantage.

### **Course Content:**

The Year 11 course offers a combination of both horticulture and agriculture Achievement Standard's. The rationale behind this is that increasingly the two industries are becoming more integrated. All standards are supported by field trips where applicable and the growing and maintenance of plants in the tunnel-house, vineyard and around the school.

The course covers:

- The properties and management of soils.
- Livestock physiology and management.
- Plant physiology and management.
- The impact of primary production on the NZ environment.
- The management of pasture and crops in feeding livestock.
- Plant propagation and maintenance.
- Demonstrate practical skills used in agricultural or horticultural production.

### **Assessment:**

This course offers a total of twenty-six credits towards the National Certificate in Educational Achievement. Twelve of these credits are internally assessed and fourteen are externally assessed.

If any students wish to focus on Horticulture Achievement Standards these can be catered for and in Term 3 they will complete alternative Achievement Standards to the boys studying Agriculture. These students will also complete two external standards. A pre-requisite for Year 12 Horticulture will be students will have had to pass at least one of these external standards.

The alternative Horticulture Achievement Standards offered will be:

- Demonstrate knowledge of the geographic distribution of agriculture and horticultural primary production in New Zealand.
- Design a landscape plan that reflects user requirements

## **ART LEVEL ONE – NCEA**

---

### **Pre-requisite:**

Students must have completed Year 9 or Year 10 Art.

### **Course Content:**

This course is thematic, with internal standards focusing on development visual literacy, solving creative problems and experimenting with materials. Pictorial ideas will be inspired by New Zealand and International artists. Level one involves a multi-disciplinary approach which includes drawing, painting, printmaking and sculpture.

### **Assessment:**

This course offers up to twenty-two credits in Achievement Standards towards NCEA. Ten credits are internally assessed and twelve externally assessed in the form of a two-panel portfolio.

## DIGITAL INFORMATION TECHNOLOGY LEVEL ONE - NCEA

---

**Pre-requisite:** None

**Course Content:**

We have a range of internally and externally assessed Achievement Standards available covering topics such as web design-including C#, Unity- designing a PC and programming in Python. Students work co-operatively in groups to produce a solution to a problem and go on to produce an individual written submission

Students can gain Merit or Excellence Course Endorsement by sitting one externally assessed standard on Human Computer Interaction.

Please note that the course content may change for 2023. In 2023 the department will pilot the New NCEA DIT Level 1 standards.

**Assessment:**

We offer a total of 17 internally assessed and 3 Externally assessed Achievement Standard credits.

## ECONOMICS LEVEL ONE – NCEA

---

**Pre-requisite:**

None at this level

**Course Content:**

The topics covered include the three general areas: The Producer, The Consumer, The Market.

- The Producer covers – major sectors of the economy, goals of producers, use of resources and supply of goods and services.
- The Consumer covers – major economic concepts, values and demand for goods and services.
- The Market covers – the concept of the market, market equilibrium, price and non-price competition, and alternatives to market allocation.

**Assessment:**

This course offers a total of twenty-one credits in Achievement Standards towards the National Certificate in Educational Achievement. Twelve credits are internally assessed and nine are externally assessed.

## ENGLISH LEVEL ONE – NCEA

---

**Pre-requisite:**

Students need to be working at a minimum of curriculum Level 5 at the end of Year 10 to be guaranteed entry to the full NCEA Level 1 course. This Level will be assessed from the end-of-year examination in Year 10.

**Course content:**

This is a full Achievement Standards course, based on Level 6 of the New Zealand curriculum. Students will improve their skills in reading, viewing, listening, speaking, writing and

presenting. The course comprises four internal assessments and an external examination of two standards:

- Written Text(s) – external
- Unfamiliar Written Texts – external
- Formal Writing – internal
- Creative writing - internal
- Oral Presentation – internal
- Connections Across Texts – internal

Accelerate classes are offered in Year 11 for students who achieved highly in English in Years 9 and 10. This course covers more demanding texts and has a greater emphasis on the skills of critical thinking and analysis.

### **Assessment:**

This course offers a total of twenty-one credits towards the National Certificate in Educational Achievement. Thirteen of these credits are internally assessed and eight are externally assessed.

## **VOCATIONAL ENGLISH NCEA LEVEL ONE**

---

### **Pre-requisite:**

This course is designed for students who are working below Level 5 of the New Zealand Curriculum at the end of Year 10.

### **Course content:**

Students will work towards a combination of Achievement Standards and literacy standards in order to gain the 10 literacy credits required for NCEA Level 1. Students' basic writing skills and reading comprehension are also improved.

NB: This course is on the Vocational Pathway and does not lead to University Entrance.

The course contains the following standards:

Internal Unit and Achievement Standards

Literacy standards in:

- Reading
- Writing
- Communication skills
- Formal Writing
- Speech

### **Assessment:**

This course offers a total of eighteen credits towards the National Certificate in Educational Achievement.





## FOOD AND NUTRITION LEVEL ONE – NCEA

---

**Prerequisite:** There are no pre-requisites at this level

### **Course Content:**

This course covers Culinary Skills, Food Preparation and the following

- Knowledge of practises and strategies to address food handling issues
- Undertake development to make a prototype product to address a brief
- Knowledge of an individual's nutritional needs
- Understanding of how packaging information influences an individual's food choices and well-being

### **Assessment:**

This course offers a total of 20 credits in Achievement Standards towards the National Certificate in Education Achievement. Sixteen credits are internally assessed and four are externally assessed.

## HOSPITALITY LEVEL ONE – NCEA

---

### **Pre-Requisites:**

Students must have completed Year 9 or Year 10 Food Technology or at the discretion of the Head of Department.

### **Course Content:**

This is a practical based programme which provides an introduction to food production in the hospitality industry and caters for students who are on a vocational pathway. The course requires the completion of both theory and practical components of work and prepares them for the Year 12 Hospitality Course.

### **The Course Covers:**

- The practise of food safety in a food business
- Knowledge of knife care use and storage
- Prepare fruit and vegetables
- Prepare egg and cheese dishes
- Prepare sauces and soups
- Prepare cake, sponge and scones
- Prepare finger food
- Knowledge of cooking methods
- Knowledge of technology used for food and recipes

### **Assessment:**

This course offers a total of 21 credits in Unit Standards towards the National Certificate in Education Achievement.



## **GEOGRAPHY LEVEL ONE – NCEA**

---

**Pre-requisite:** There is none at this level

### **Course Content:**

The Geography Course is divided in two aspects: Natural and Cultural Geography “the Study of Planet Earth and the interactions between People and their Environment”

Year Eleven Geography covers the topics listed below - External Assessments

### ***Topic 1: Extreme Natural Events***

Students gain an awareness of the processes that create a range of Extreme Natural Events and the impacts the events have on the environment. Students will study relevant events such as the Christchurch Earthquakes.

### ***Topic 2: Geographic Skills***

Students will apply concepts and basic geographic skills to demonstrate understanding of a given environment.

The Internal assessments for this course will include research into a geographic issue, describing a geographic global topic and sustainability of the environment.

**Internal assessment:** Apply spatial analysis, with direction, to solve a geographic problem.

### **Assessment:**

This course offers a total of Twenty-one credits in Achievement Standards towards the National Certificate in Educational Achievement. Thirteen credits are internally assessed and eight are externally assessed.

## **GRAPHICS- Design and Visual Communication LEVEL ONE – NCEA**

---

### **Pre-requisite:**

There is none at this Level although junior graphics will be an advantage.

Design and visual communication focuses on understanding and applying drawing techniques and design practice to communicate design ideas. Students enhance their ability to conceptualise, develop, and communicate design ideas and potential outcomes, and their skill to interpret graphical information.

### **The components of Design and Visual Communication are:**

#### ***Knowledge of Design Practice***

Design practice focuses on developing conceptual designs in response to a brief. Knowledge of design practice includes understanding that designers identify the qualities and potential of design ideas in terms of the broad principles of design (aesthetics and function) and sustainability, and that they are influenced by societal, environmental, historical and technological factors.

#### ***Visual Communication***

Visual communication refers to the effective communication and presentation of design ideas using modelling and graphic design techniques.

### **Graphics Practice**

Graphics practice refers to the creative application of drawing and design knowledge and techniques to develop conceptual outcomes that address a brief, or a technological outcome of a graphical nature.

#### **Assessment:**

Internal and External assessment is by portfolio. This course offers a total of twenty-one credits (with the possibility of a further three) in Achievement Standards towards the National Certificate in Educational Achievement. Sixteen credits are internally assessed and nine are externally assessed.

### **HISTORY LEVEL ONE – NCEA**

---

**Pre-requisite:** There is none at this level.

#### **Course content:**

The course provides an insight into New Zealand's twentieth century history. It looks at how the country transitioned from a comfortable dependence on the British Empire to a proudly independent nation.

- Dominion: Gallipoli, Nazi Germany and the fall of Singapore
- Ally: Uncle Sam's buddy? The Vietnam War
- Independence: Springboks, Argentinians and the French

#### **Assessment:**

The course offers a total of twenty-four credits towards the National Certificate in Educational Achievement. Twelve credits are internally assessed and twelve are externally assessed.

### **JAPANESE LEVEL ONE – NCEA**

---

**Pre-requisite:** Year 10 Japanese, or with the approval of the HOD Japanese.

#### **Course Content:**

In Year Eleven the course will consolidate many of the areas covered in Year Ten. As well as this, new areas are studied. Examples are 'Home and Daily Routine'; 'Town and Around'; 'Sport, Leisure and Hobbies'; 'Eating and Drinking'; 'Health'; 'School Life'; 'Travel and Holidays'. Aspects of study include reading, writing, listening and speaking Japanese.

#### **Assessment:**

This course offers a total of twenty-four credits in Achievement Standards towards the National Certificate in Educational Achievement. Fourteen credits are internally assessed and ten are externally assessed.



## MATHEMATICS 101 LEVEL ONE – NCEA

---

**Pre-requisite:**

Good results in the Year Ten end of year exams.

**Course Content:**

This course includes Algebra, mathematical methods, statistics and probability and geometrical reasoning.

**Assessment:**

This course offers a total of twenty-three credits in Achievement Standards towards the National Certificate in Educational Achievement. Fifteen credits are internally assessed and eight are externally assessed.

**Important:** Those students who pass Level 1 Algebra have access to Mathematics 201 and therefore Calculus and / or Statistics at Level 3. Those students who fail Level 1 Algebra have access to Mathematics 202 and only Statistics at Level 3. This may limit their career opportunities in some areas.

## ALTERNATIVE MATHEMATICS 102 LEVEL ONE – NCEA

---

This is an alternative Year 11 course for students who have found Mathematics difficult in the junior school. It offers Achievement Standards which, if passed, would give students the numeracy component required for their NCEA Level 1 certificate.

**Pre-requisite:**

This course is aimed at students who have followed the alternative Mathematics courses in Years 9 and 10.

**Course Content:**

This course provides the opportunity to review the learning experiences previously covered in Years 9 and 10. The topics appropriate to meeting the NCEA Numeracy requirement will be covered.

**Assessment:**

Eighteen Level 1 NCEA credits available.

## MUSIC LEVEL ONE – NCEA

---

**Pre-requisite:**

Students taking this course will need to have successfully completed Year 10 Option Music or have equivalent knowledge and experience as judged by the Head of Music. It is compulsory for all students to take regular instrumental or vocal tuition at school or private. They are also encouraged to participate in extra-curricular music groups, such as: School Band, Pipe Band, Choir, Barbershop or own rock or chamber groups.

**Course Content:**

The course is designed to develop students as well-rounded musicians. It consists of the following Achievement Standards:

- Perform two pieces of music as a featured soloist
- Demonstrate ensemble skills via performing piece of music as a member of a group

- Compose two original pieces of music
- Demonstrate knowledge of two music works from contrasting contexts
- Demonstrate knowledge of conventions used in music scores (External)

Students will develop music literacy skills through composition and score reading, understanding of context through analysis of music works, as well as equipment and ICT. They will also be encouraged to perform at school and in the community through: School Productions, Super 8 Cultural Competitions, The Big Sing, Smokefree Rockquest, Play it Strange song writing Competition, Chamber Music Competition, Pacifica Beats and others.

#### **Assessment:**

The course consists of 26 credits in total (22 credits from internally assessed Achievement Standards and 4 from an External Standard) contributing towards the National Certificate. Students are encouraged to continue their work towards ABRSM performance and theory examinations.

### **PHYSICAL EDUCATION – (CORE) LEVEL ONE – NCEA**

---

#### **Pre-requisite:**

Satisfactory completion and achievement in Year 10 Health & Physical Education.

#### **Course Content:**

The course consists of five modules of work and contributes 20 credits towards the National Certificate. Each will last approximately 5 weeks with some overlap between modules. Achievement Standards require the completion of both theory and practical components of work.

- Participate actively in a variety of physical activities and explain factors that influence own participation.
- Describe the function of the body as it relates to the performance of physical activity.
- Demonstrate quality movement in the performance of a physical activity.
- Demonstrate interpersonal skills in a group and explain how these skills impact on others.
- Demonstrate strategies to improve the performance of a physical activity and describe the outcomes.

#### **Assessment:**

This course offers a total of twenty credits in Achievement Standards towards the National Certificate in Educational Achievement. All twenty credits are internally assessed.

### **SPORT & RECREATION LEVEL ONE - NCEA**

---

#### **Pre-requisite:**

Open unless already doing a Physical Education programme at any level.

#### **Course Content:**

Sport & Recreation is a practical based course that caters better opportunities for students who struggle with literacy & numeracy skills. The course has a higher practical component and consists of Achievement standards. The course will consist of 6 Achievement Standards which contribute 20 credits towards the National Certificate. Each standard will last approxi-

mately 5 weeks with some overlap between modules. All standards require the completion of both theory and practical components of work.

- Participate actively in a variety of physical activities and explain factors that influence own participation.
- Demonstrate quality movement in the performance of a physical activity.
- Demonstrate interpersonal skills in a group and explain how these skills impact on others.
- Demonstrate self-management strategies and describe the effects on participation in physical activity
- Take purposeful action to assist others to participate in physical activity.

This course offers a total of 20 credits in Achievement Standards towards the National Certificate in Educational Achievement. This course leads to Level 2 Sport & Recreation or possibly to Level 2 Core Physical Education. All twenty credits are internally assessed.



## SCIENCE LEVEL ONE – NCEA

### **Pre-requisite:**

Students need to perform well in the Year 10 mid-year and end-of-year science examinations. This course is NOT open to Year 12 or 13 students.

### **Course Content:**

- Demonstrate understanding of aspects of mechanics.
- Demonstrate understanding of aspects of acids and bases.
- Demonstrate understanding of biological ideas relating to genetic variation.
- Carry out a practical chemistry investigation, with direction
- Investigate selected chemical reactions

### **Assessment:**

This course offers a total of Twenty credits in Achievement Standards towards the National Certificate in Educational Achievement. Eight credits are internally assessed and twelve are externally assessed.



## ALTERNATIVE SCIENCE LEVEL ONE- NCEA

---

### Prerequisite:

Students will be selected for this course based on their performance in Year 10 assessments, linked to core scientific skills.

### Course content:

- Carry out a practical chemistry investigation, with direction
- Investigate selected chemical reactions
- Demonstrate understanding of the effects of astronomical cycles on planet Earth
- Prepare and sow outdoor seedbeds manually
- Identify containers, materials, plants, and tools used in plant propagation

This is a fully internally assessed course. It gives students who struggle with exam content the best opportunity at success. This course is NOT open to students in Year 12 / Year 13.

### Assessment:

This fully internally assessed course is a combination of 12 Achievement Standard credits and 7 Unit Standard credits. In 2024, students may progress from this course into the Level 2 General Science course if they gain the 12 Achievement Standard credits. HOD approval may be given under exceptional circumstances, if this criteria is not met.

## SPANISH LEVEL ONE – NCEA

---

### Pre-requisite:

Satisfactory completion of Year 10 assessments across all subjects, or at the discretion of the HOD.

### Course Content:

The Spanish Year 11 course will enable students to communicate both orally and in writing about important aspects of modern life – family, friends, health, homeland, fashion, holidays and personal interests. Speaking practice throughout the year will be strongly encouraged and it will be a key part of the course. Students will be introduced to key linguistic features of Spanish, including Spanish punctuation, verb conjugations in past, present and future tenses, and pronunciation of Spanish words and phrases.

### Assessment:

The course offers a total of twenty-four credits in NCEA Achievement Standards. The internal credits are: Speaking (4 credits), Conversation (5 Credits), Writing (5 Credits). The external assessments (by exam) are: Listening (5 credits), Reading (5 credits).

## TE REO MĀORI LEVEL ONE – NCEA

---

### Pre-requisite:

Completion of the Year 9 & Year 10 programme OR a good knowledge base of Te Ao Māori is recommended. Entry can also be granted with the approval of the Head of Māori Studies.

### Course Content:

One emphasis of this course is the development of the four language skills – reading, listening comprehension, verbal and written expression in several contexts such as whānau, kura,

hākinakina and tūrangawaewae. In addition, another emphasis is the further learning of karakia, Māori Performing Arts, Traditional Māori past-game games, myth and legends.

**Assessment:**

This course is through Achievement Standards in each of these areas. Several Unit Standards are also offered and available to embellish their learning. This course offers a total of 30 credits in Achievement Standards. There are 18 credits that are internally assessed, and 12 credits that are externally assessed. The contexts of the external assessments are set by NZQA each year.

## **TIKANGA LEVEL ONE - NCEA**

**Pre-requisite:**

Completion of the Year 9 & Year 10 Te Reo Māori programme OR a good knowledge base of Te Ao Māori is recommended. Entry can also be granted with the approval of the Head of Māori Studies.

**Course content:**

The emphasis of this course is the exploration and development of knowledge skills around Māori Culture, History and the Traditional Māori Arts.

**Assessment:**

This course is predominantly Unit Standard based, with several Achievement Standards offered. This course offers a mixture of approximately 20 Level 2 and Level 3 Unit Standards and Achievement Standards. This course is internally assessed only.



## TECHNOLOGY - ENGINEERING

### LEVEL ONE – NCEA and MECHANICAL ENGINEERING – unit standards

---

**Pre-requisite:**

Students must have completed Year 9 and / or Year 10 Engineering

**Course Content:**

This course will cover general Engineering skills using Industrial Unit Standards. Each unit includes practical skills and related theory. The skills covered include setting out, cutting out, assembly of projects, welding, lathe work and finishing.

**Assessment:**

This course will be assessed using unit standards, which result in either a pass or fail being awarded. Pass grades can be counted as credits towards the National Certificate in Educational Achievement. The course covers unit standards worth twenty-four credits. There is also an extension unit worth two level 1 credits.





## **TECHNOLOGY – COMBINED MATERIALS**

### **LEVEL ONE NCEA - Unit and Achievement standards**

---

#### **Pre-requisite:**

Students must have completed year 9 and /or 10 Combined Materials Technology, Woodwork or Engineering.

#### **Course Content:**

This full year course consists of six theory units and 3 practical assessments contributing 24 credits towards National certificate at level 1 and 2. Industry based unit standards require the completion of both theory and practical components of work.

- Use hardware and fastenings for a BCATs project (level 1, 2 credits)
- Use joints for a BCATs project (level 1, 3 credits)
- Make a cupboard as a BCATs project (level 2, 6 credits)
- Set up and operate a single boring machine to bore holes in furniture components (Level 2, 4 credits)
- Demonstrate knowledge of workplace health and safety requirements (level 1, 3 credits)
- Implement basic procedures using resistant materials to make a specified product (Level 1, 6 credits)

#### **Assessment:**

This course is assessed using Unit and Achievement standards at level 1 and 2. Both unit standards and achievement standards count toward NCEA certificate. This subject offers a total of 24 credits. This course is internal assessed, but externally moderated by Tools for work, BCITO, ITO, Competenz and NZQA.

## **TECHNOLOGY - WOODWORK**

### **LEVEL ONE – NCEA**

---

#### **Pre-requisite:**

Students must have completed Year 9 and / or Year 10 Woodwork

#### **Course Content:**

This course covers general woodworking skills. Each unit includes practical skills and related theory. Skills covered include setting out, cutting out, assembly of projects, hand tools and some machines and methods of finishing.

#### **Assessment:**

This course will be assessed using unit standards, which result, in either a pass or fail being awarded. Pass grades can be counted as credits towards the National Certificate in Educational Achievement. This course covers unit standards worth a total of twenty-two credits.

# LEVEL TWO COURSES

## Course Selection

Year Twelve students in their fourth year at secondary school are expected to select a course consisting of six subjects. These may be across Level 1 – 3, depending on the learner.

## Entry criteria to Level Two subjects

- In general, students may study a subject at Level Two if they gained 14 Achievement Standard credits or more in that subject in NCEA Level 1.
- Students should read the pre-requisite for each subject, for further details.

## Compulsory Courses

All Level 2 students must study English. This can be the alternate option.

## Elective / Optional Courses

Accounting	Gateway
Agricultural/Horticulture	History
Art	Hospitality
Biology	Japanese
Chemistry	Māori
Classical Studies	Tikanga
Digital Information Technology	Music
Earth and Space Science	PE - Health & Physical Education
Economics	PE - Sport & Recreation (2)
Forestry	Physics
General Science (NCEA Level 2)	Technology - Engineering
Geography	Tech-Combined Technologies Workshop
Graphic Design & Visual Communication	Technology – Woodwork
Trades Course via E.I.T	Tourism
Te Kura	

## Note:

1. Selection of an English Course is compulsory at Year Twelve level.
2. Students who have not achieved the required 10 L1 numeracy credits in Mathematics must continue with a suitable Mathematics course.
3. Courses marked with a (2) are less academic courses for students who have found that subject difficult in previous years.
4. Year 12 or 13 students who have studied Level 1 Science and passed at least one external achievement standard, but not made the criteria to select a Level 2 specialist Science course may select Year 12 General Science if they wish to continue their scientific studies.
5. Technology subjects, including Hospitality, have charges / costs for take home components.
6. Enrichment / Accelerate students:
  - Mathematics - students that are going into Y12 in 2023 and have completed the 201 Mathematics course are encouraged to select the L3 Mathematics with Statistics course. Their natural pathway is then to complete the L3 Mathematics with Calculus course in Y13, or their final year of school.

## ACCOUNTING LEVEL TWO – NCEA

---

### **Pre-requisite:**

14 credits in Level 1 NCEA Accounting.

### **Course Content:**

Extension of Year Eleven accounting, discussing accounting issues, providing detailed accounting reports, analysing the accounting function and its efficiency. The course is divided into five strands: The Conceptual Basis, Decision Making, Processing, Accounting Systems and Accounting reports. An important lead into the Year 13 course or consolidation of basic business accounting.

### **Assessment:**

This course offers a total of nineteen credits in Achievement Standards towards the National Certificate in Educational Achievement. Ten credits are internally assessed and nine are externally assessed.

## AGRICULTURE / HORTICULTURE LEVEL TWO – NCEA

---

### **Pre-requisite:**

Fourteen credits gained in Level One Ag/Hort. or another science.

### **Course Content:**

The Year 12 course covers the following topics:

- Demonstrate understanding of techniques used to modify physical factors of the environment for NZ plant production
- Demonstrate understanding of management practices influencing plant growth/development
- Demonstrate understanding of livestock reproductive technologies.
- Report on the environmental impact of the production of a locally produced primary product.
- Demonstrate understanding of land use for primary production in New Zealand

If any student wishes to focus solely on Horticulture two alternative Achievement Standards will be offered instead of the livestock Internals. These are:

- Demonstrate understanding of advanced plant propagation techniques used for commercial production in New Zealand
- Carry out an extended practical agricultural or horticultural investigation.

All standards are supported by field trips where applicable and the tunnel house area is also used.

### **Assessment:**

This course offers a total of twenty credits towards the National Certificate in Educational Achievement. Twelve of these credits are internally assessed and twelve are externally assessed. There will also be the introduction of two Agribusiness centre of excellence standards to complement current Agriculture standards. These will be offered to selected students only.

## **ART**

### **LEVEL TWO – NCEA**

---

#### **Pre-requisite:**

14 credits in NCEA Level 1 Art, or HOD discretion.

In Year 12 Painting, Design and Sculpture are all classed as separate disciplines.

They should only choose one of these options. The internal and external standards for each discipline will allow students to focus on their strengths.

#### **PAINTING:**

The theme for the year will focus on multimedia painting. Work will be developed from contemporary painting styles with the inclusion of digital media processes.

The 2 internal standards cover:

- Use drawing methods to apply knowledge of Painting techniques.
- Produce a resolved work that demonstrates control of skills appropriate to cultural conventions.

The external standard is worth 12 credits and is submitted in the form of a portfolio.

- Produce a systematic body of work that shows understanding of art making conventions and ideas within painting.

#### **SCULPTURE:**

The course involves developing ideas and demonstrating your knowledge of drawing and sculpture conventions. Sculptural ideas will focus on repetition and size and scale, interior and exterior spaces.

The 2 internal standards cover:

- Use drawing methods to apply knowledge of Sculpture techniques.
- Develop ideas in a related series of drawings appropriate to Sculpture practice.

The external standard is worth 12 credits and is submitted in the form of a portfolio.

- Produce a systematic body of work that shows understanding of art making conventions and ideas within Sculpture.

#### **DESIGN:**

Introduction to Photoshop and Illustrator software. The theme for the year encourages students to look at Design conventions in the real world.

The 2 internal standards cover:

- Use drawing methods to apply knowledge of Design techniques.
- Develop ideas in a related series of drawings appropriate to Design practice.

The external standard is worth 12 credits and is submitted in the form of a portfolio.

- Produce a systematic body of work that shows understanding of art making conventions and ideas within Design.

Assessment: All Art course offer a total of 20 achievement standard credits towards NCEA Level 2. 8 credits are assessed internally, 12 externally.



## BIOLOGY LEVEL TWO – NCEA

---

### Pre-requisite:

14 credits in Level 1 NCEA Science (MUST include S1.9 the Biology External paper). This course is also available to those students who took Year 12 Science and gained 16 credits. It is strongly recommended that students achieve S1.9 with Merit or better and achieve at a high standard in NCEA Level 1 English.

### Course Content:

- Carry out a practical investigation in a biology context.
- Analyse the biological validity of information presented to the public.
- Demonstrate an understanding of adaptation of animals to their way of life.
- Demonstrate understanding of life processes at the cellular level.
- Demonstrate understanding of genetic variation and change.

There is a good cross-section of material to give the student an opportunity to see what area of Biology may be of interest to them for future career prospects. This gives practical as well as academic students an opportunity to excel. This course requires students to have good writing and thinking skills.

### Assessment:

This course offers a total of 18 credits in Achievement Standards towards the National Certificate in Educational Achievement. Ten credits are internally assessed and eight are externally assessed.

## CHEMISTRY LEVEL TWO – NCEA

---

### Pre-requisites:

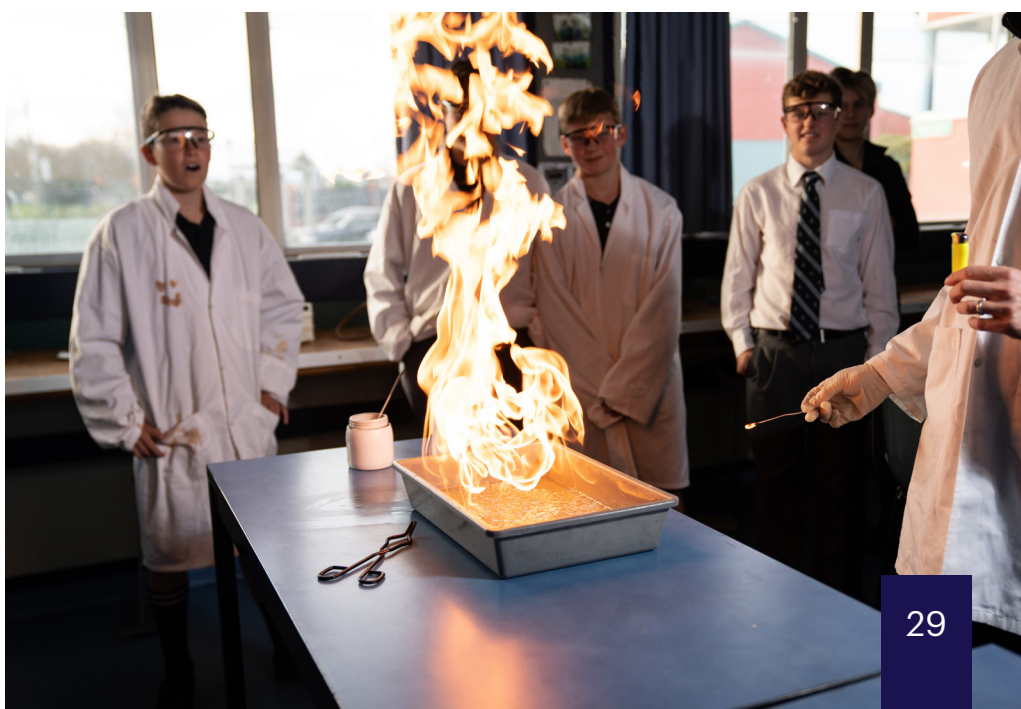
14 credits in Level 1 NCEA Science this MUST include the Chemistry External paper. This course is also available to those students who took Year 12 Science and gained 16 credits. It is strongly recommended that students achieve with Merit in the Chemistry standard.

### Content Areas:

- Carry out qualitative analysis – practical based internal
- Carry out procedures to identify ions present in solution – practical based internal
- Demonstrate an understanding of oxidation – reduction – practical based internal
- Demonstrate an understanding of bonding, structures and energy changes
- Demonstrate an understanding of selected organic compounds

### Assessment:

This course offers a total of nineteen credits in Achievement Standards towards the National Certificate in Educational Achievement. Ten credits are internally assessed and thirteen are externally assessed.



## CLASSICAL STUDIES LEVEL TWO – NCEA

---

### **Pre-requisite:**

14 Credits in a NCEA Level 1 Social Science subject such as Economics, Geography or History.

### **Course Content:**

Classical Studies is understood as the study of the civilisations of classical Greece and Rome without the study of the classical languages, Greek and Latin. It includes topics in literature, art and history.

### **Organisation of the Course:**

Students will study the following four topics:

- A. Greek
  - Homer's Odyssey
  - Architecture and Sculpture of Athens
- B. Roman
  - Roman Politics in the age of Caesar and Cicero.
  - Roman Art

### **Assessment:**

This course offers a total of twenty credits in Achievement Standards towards the National Certificate in Educational Achievement. Ten credits are internally assessed and ten are externally assessed.

## DIGITAL INFORMATION TECHNOLOGY LEVEL TWO - NCEA

---

### **Pre-requisite:** nil

### **Course Content:**

We have a full range of Achievement standards available to our students. We work in a modular fashion which allows students the flexibility to develop a personalised course which meets their aspirations, interests and needs and which builds on their prior experience. Topics that students can choose from include website planning and conventions, building a website, C#, Unity, researching a topic to produce a solution and programming with Python.

Students can gain Merit or Excellence Course Endorsement by choosing one Externally assessed standard.

### **Assessment:**

We offer a total of 17 Achievement Standard credits plus one on-line Externally marked and moderated assessment worth 3 credits.

## **EARTH AND SPACE SCIENCE LEVEL TWO – NCEA**

---

### **Pre-requisite:**

14 plus achievement standard credits from Level 1 General Science. This course is also available to those students who took Year 12 Science and gained 16 credits or more.

### **Course Content:**

This course explores the subject areas of Astronomy and Earth Systems Science. It integrates concepts and principles from Level 2 Physics, Chemistry, Biology and Physical Geography.

### **Organisation of the course:**

Students will study the following topics:

- A. Astronomy
  - Stellar evolution (birth, life and death of stars)
  - Planet and moon formation.
- B. Earth Systems
  - Natural hazards (Volcanoes, Tsunami and Earthquakes)
  - Climate Change
  - Extreme life.

**Note:** *Field trips to the National Aquarium of NZ, Cape Kidnappers and the Harold Holt Planetarium are required at an additional cost.*

### **Assessments:**

This course offers a total of twenty credits in Achievement Standards towards the National Certificate in Educational Achievement Level 2. Twelve credits are internally assessed and eight are externally assessed.

## **ECONOMICS LEVEL TWO – NCEA**

---

### **Pre-requisite:**

14 credits in Level 1 NCEA Economics. Or at the HOD's discretion if the student has not previously taken Economics.

### **Course Content:**

Exploring the Economic Issues of Trade, Growth and Inflation. Each issue is studied in depth so the student can identify the causes and effects and what Government Policies are implemented to address the issues including unemployment.

The students will develop Investigative Thinking and Processing Skills to provide information and make decisions.

Two reports are compiled by students during the year as project work based on these skills. The course provides an excellent grounding on how the New Zealand economy works and gives the student a broad skill base.

### **Assessment:**

This course offers a total of eighteen credits in Achievement Standards towards the National Certificate in Educational Achievement. Ten credits are internally assessed and eight are externally assessed.

## ENGLISH 201 LEVEL TWO – NCEA

---

**Pre-requisite:**

14 credits in Level 1 NCEA English.

**Course Content:**

The course consists of two external Achievement Standards:

- Written text(s)
- Unfamiliar texts

A range of internal standards will be offered, covering skills such as speech, writing portfolio, personal reading and research.

**Assessment:**

This course will provide a total of twenty-one credits towards the National Certificate in Educational Achievement. Thirteen credits are internally assessed and eight are assessed externally.

## VOCATIONAL ENGLISH 202 LEVEL ONE and TWO – NCEA

---

**Pre-requisite:**

Students must have achieved a minimum of ten credits from their Level One English programme.

**Course content:**

This course is designed for students who have not achieved the skills required to gain entry to the full Level 2 English course. The course is designed as part of the vocational pathway and does not offer University Entrance.

Please note this course does not provide a pathway to Level 3 English in Year 13.

**Assessment:**

A combination of Achievement and Unit Standards at Level 2 are available, and students can move to a higher level once they have achieved the credits required. Students are expected to gain a minimum of eighteen internally assessed credits during the course. This course offers one externally assessed Achievement Standard.

## FORESTRY Level Two – Unit Standards

---

**Pre-requisite:**

Open to all Year 12 and 13 students.

**Course Content:**

- Demonstrate knowledge of the general requirements for employment in a plantation forest
- Demonstrate knowledge of factors that affect the performance of forestry workers
- Demonstrate knowledge of the Approved Code of Practice relating to chainsaw use
- Demonstrate forestry foundation skills under supervision for plantation forest establishment
- Operate a chainsaw.



**Assessment:**

This course will be assessed using Unit Standards. Any standards the students pass can be counted as credits towards their NCEA certificate. This course offers a total of twenty-nine possible credits all of which are internally assessed.

**GATEWAY**

*Aimed at Year 12 and 13 students*

---

**Pre-requisites:**

A proven attitude and work ethic in previous year. Entry to course by application only. Application forms are available Week 8, Term 3. You must submit your application before the end of Week 9. Selection will be a panel. Successful applicants will be notified by the end of Week 1, Term 4.

**What the Course involves:**

The student will attend his industry work placement one day a week. For the remainder of the week the student will be in his Gateway period working on his industry-based unit standards or catching up on work missed while he was on his placement. Electrical, building agriculture, plumbing and hospitality are common industries that boys pursue. The past ten years of Gateway at NBHS have proven the work placement will often lead to an apprenticeship, direct employment or further industry related Tertiary study.

There is a financial contribution toward travel and work gear needed for their placement. Contracts are signed between parents, employers and the student to ensure the student satisfies the responsibilities and expectations of this unique subject.

**Assessment:**

Industry-based assessments at Level 2 and 3. Depending on the industry as many as 20 credits.

\*Y12 students wanting to enrol in Gateway must select this as their 'seventh' subject selection.

**GENERAL SCIENCE  
LEVEL TWO NCEA**

---

**Pre-requisite:**

This course is designed for students who have not yet met the requirements for entry into a Level 2 specialist Science course OR whose chosen pathway requires non-specific Level 2 Science credits. Students who took Level 1 Alternate Science may also take this course if they gained the 12 Achievement Standard credits, or with HOD approval in exceptional circumstances.

**Course content:**

- Carry out an investigation into chemical species present in a sample using qualitative analysis
- Demonstrate understanding of oxidation-reduction
- Carry out a practical physics investigation that leads to a non-linear mathematical relationship
- Investigate how organisms survive in an extreme environment
- Investigate biological material at the microscopic level
- Demonstrate understanding of the chemistry used in the development of a current technology

This course is designed for students who have not achieved the skills required to gain entry to any specialist Level 2 Science courses. Students cannot progress from this course to any Level 3 specialist Science course. If students attain 16 credits from this course, they may be eligible to move to a specialist Level 2 science course.

**Assessment:**

This course offers 20 Level 2 Achievement Standard credits towards the National Certificate in Educational Achievement. All 20 credits are internally assessed.

## **GEOGRAPHY LEVEL TWO – NCEA**

---

**Pre-requisite:**

14 Credits in Level 1 NCEA Geography or another Social Science. Or the discretion of the HOD based on your Level 1 grades in other subjects.

**Course Content:**

Year Twelve Geography covers the topics listed below:

***Topic 1: Natural Landscapes (4 Credits)***

Students gain an awareness of the elements that are responsible for producing a range of natural landscapes. Studies are made at a local Level through to the continental level, e.g. Amazon Basin.

***Topic 3: Geographic Skills (4 Credits)***

Students gain an understanding of a range of Geographic skills and then develop the skill of being able to apply the skills to a given context.

Internal assessments will include geographic research and explaining a contemporary geographic issue, and a geographic global topic. Apply spatial analysis, with guidance, to solve a geographic problem.

**Assessment:**

This course offers a total of 22 credits in Achievement Standards towards the National Certificate in Educational Achievement. Fourteen credits are internally assessed and eight are externally assessed.

## **GRAPHICS - Design and Visual Communication LEVEL TWO – NCEA**

---

**Pre-requisite:**

14 credits in Level 2 NCEA Graphics

**Course Content:**

Design and visual communication focuses on understanding and applying drawing techniques and design practice to communicate design ideas. Students enhance their ability to conceptualise, develop, and communicate design ideas and potential outcomes, and their skill to interpret graphical information.

The components of Design and Visual Communication are:

***Knowledge of Design Practice***

Design practice focuses on developing conceptual designs in response to a brief. Knowledge

of design practice includes understanding that designers identify the qualities and potential of design ideas in terms of the broad principles of design (aesthetics and function) and sustainability, and that they are influenced by societal, environmental, historical and technological factors.

### **Visual Communication**

Visual communication refers to the effective communication and presentation of design ideas using modelling and graphic design techniques.

### **Graphics Practice**

Graphics practice refers to the creative application of drawing and design knowledge and techniques to develop conceptual outcomes that address a brief, or a technological outcome of a graphical nature.

### **Assessment:**

This course offers a total of twenty-five credits in Achievement Standards towards the National Certificate in Educational Achievement. Fifteen credits are internally assessed and ten are externally assessed. Internal and External assessment is by portfolio.

## **HISTORY LEVEL TWO – NCEA**

---

### **Pre-requisite:**

Fourteen credits in Level 1 History, Geography or Economics. Students may be accepted at the HOD's discretion.

### **Course Content:**

The course gives students an understanding of some of the major forces and events that have shaped the world today. The course deals mainly with events in the twentieth century. The course is designed for 21st century students, incorporating online collaborative learning. The course develops thinking, analytical, research and communication skills.

The course has one major focus, the Cold War.

The Cold War: Superpower tension & rivalry, 1945-1991

- Fat Boy & Little Man: was the bombing of Japan a strategic necessity?
- Dropping the Iron Curtain: life in the East
- Racing to win: the arms race & space race
- Whose war is it anyway? War in the Third World & the Vietnam War
- Assassination from the 'grassy knoll': the death of JFK
- Cold War / Hot War: how close did we get?

### **Assessment:**

The course offers twenty-four credits towards the National Certificate in Educational Achievement. Fourteen credits are internally assessed.

## HOSPITALITY LEVEL TWO NCEA – Unit Standards

---

### **Prerequisites:**

14+ credits at Level 1 Food and Nutrition is advisable but students will be entered at the discretion of the Head of Department.

### **Course Content:**

This is a practical course. The students develop a range of culinary skills which will set them in good stead for life and prepare them for the Year 13 Hospitality course. Students will gain a commercial Food safety Qualification.

- The Practise of Food Safety in a food business
- Handle and maintain knives in a commercial kitchen
- Prepare food and vegetable cuts
- Cook food items by baking
- DKO coffee equipment and espresso beverages (Barista Certificate awarded at the end of Year 12)
- Cook food items by grilling
- Cook food items by braising and stewing
- Prepare and present salads for service

Students are required to complete work experience in a Commercial Kitchen. The students will be involved in catering for school functions and events.

### **Assessment:**

The course offers up to 20 Level 2 Unit Standards.





## **JAPANESE LEVEL TWO – NCEA**

---

### **Pre-requisite:**

14 credits in Level 1 NCEA Japanese.

### **Course Content:**

At this Level four topics are studied in more depth than in previous years, and a reading and writing knowledge of Kanji is developed.

The topics to be studied are:

- The Japanese School System
- Family Life
- Leisure Activities
- Eating and Drinking

### **Assessment:**

This course offers a total of twenty-four credits in Achievement Standards towards the National Certificate in Educational Achievement. Fourteen credits are internally assessed and ten are externally assessed.

## **TE REO MĀORI LEVEL TWO – NCEA**

---

### **Pre-requisite:**

At least 12 credits in Level 1 NCEA Te Reo Māori, however entry can be granted with the approval of the Head of Māori Studies.

### **Course content:**

One emphasis of this course is the refinement of the four language skills – reading, listening comprehension, verbal and written expression in several contexts such as marae, tikanga, hākinakina and teenage issues. In addition, another emphasis is the further learning and refinement of karakia, Māori Performing Arts, Traditional Māori past-game games, myth and legends. Furthermore, an introduction to kawa, tikanga marae and whaikōrero will be given.

### **Assessment:**

This course is through Achievement Standards in each of these areas. Several Unit Standards are also offered and available to embellish their learning. This course offers a total of 28 credits in Achievement Standards. There are 16 credits that are internally assessed, and 12 credits that are externally assessed. The contexts of the external assessments are set by NZQA each year.

## **TIKANGA LEVEL TWO AND THREE NCEA**

---

### **Pre-requisite:**

Completion of the Year 9 & Year 10 Te Reo Māori programme, completion of the Level 1 Tikanga Course OR a good knowledge base of Te Ao Māori is recommended. Entry can also be granted with the approval of the Head of Māori Studies.

### **Course content:**

The emphasis of this course is the exploration and development of knowledge skills around Māori Culture, History and the Traditional Māori Arts.

**Assessment:**

This course is predominantly Unit Standard based, with several Achievement Standards offered. This course offers a mixture of approximately 20 Level 2 and Level 3 Unit Standards and Achievement Standards. This course is internally assessed only.

---

**MATHEMATICS 201  
LEVEL TWO – NCEA****Pre-requisite:**

14 or more credits in Level 1 NCEA Mathematics. This must include a pass in our school Algebra Exam. This is a very difficult course. A graphic calculator is highly recommended, and a very sound knowledge of Algebra is required.

**Course Content:**

- Manipulate algebraic expressions and solve equations
- Find and use straight forward derivatives and integrals
- Select a sample and make inferences from the data
- Simulate probability situations and apply the normal distribution
- Solve practical trigonometry problems

**Assessment:**

This course offers a total of nineteen credits in Achievement Standards towards the National Certificate in Educational Achievement. Eleven credits are internally assessed and eight are externally assessed.

Important: If you wish to study Calculus in Year 13 you must take Mathematics 201.

---

**MATHEMATICS 202  
LEVEL TWO – NCEA****Pre-requisite:**

14 credits in Level 1 NCEA Mathematics.

**Course Content:**

- Solve problems using a co-ordinate geometry method
- Select a sample and make inferences from the data
- Simulate probability situations and apply the normal distribution
- Solve straight forward problems involving sequences
- Solve practical trigonometry problems.
- Networks
- Solving Simultaneous equations.

**Assessment:**

This course offers a total of eighteen credits in Achievement Standards at Level 2 towards the National Certificate in Educational Achievement. Fifteen credits are internally assessed and four are externally assessed.

**NOTE:** to study L3 Calculus you must take Mathematics 201. Fourteen credits in Mathematics 202, including the Probability external, will allow you to study Statistics at Level 3, only.

## MUSIC LEVEL TWO – NCEA

### Pre-requisite:

Students taking this course will need to have gained at least 14 credits in NCEA Level 1 Music or have equivalent knowledge of music as judged by HOD Music. It is compulsory for all students to take regular instrumental or vocal tuition at school or private, even if they do not sit performance standards. As senior Music students, they are also expected to participate in extra-curricular music groups, such as: School Band, Pipe Band, Choir, Barbershop or own rock or chamber groups.

### Course Content:

Level 2 Music allows students to specialize in their area of choice. Their course will consist of standards focusing on composition, performance or music studies. They can also complete a combination of Achievement Standards from various strands. Achievement Standards on offer are:

- Perform two substantial pieces of music as a featured soloist
- Demonstrate ensemble skills by performing a substantial piece of music as a member of a group
- Compose two substantial pieces of music
- Devise an instrumentation for an ensemble
- Perform a substantial piece of music as a featured soloist on a second instrument
- Investigate an aspect of New Zealand music
- Demonstrate knowledge of conventions in a range of music scores (External)

Students will develop music literacy skills through composition, instrumentation and score reading, develop understanding of context through analysis of music works, as well as equipment and ICT. They will also be encouraged to perform at school events and other opportunities like: School Productions, Super 8 Cultural Competitions, The Big Sing, Smokefree Rockquest, Play it Strange Songwriting Competition, Chamber Music Competition, Pacifica Beats and others.

### Assessment:

The course consists of up to 32 credits in total (4 from an External Standard) contributing towards the National Certificate. Most students will attempt 24 credit but will be able to expand upon this through extra-curricular involvement. Students are encouraged to continue with their work towards ABRSM performance and theory examinations.



## **PHYSICAL EDUCATION (CORE) LEVEL TWO – NCEA**

---

### **Pre-requisite:**

14 credits in Level One Health & Physical Education or at the discretion of the HOD based on other subject grades.

### **Course Content:**

The course consists of five modules of work and contributes 21 credits towards the National Certificate. Each will last approximately 6 -8 weeks with some overlap between modules. Achievement Standards require the completion of both theory and practical components of work.

- Describe the function of the body as it relates to the performance of physical activity.
- Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills.
- Demonstrate understanding of the application of biophysical principles to training for physical activity.
- Perform a physical activity in an applied setting.
- Evaluate leadership strategies that contribute to the effective functioning of a group.

### **Assessment:**

This course offers a total of 21 credits in Achievement Standards towards the National Certificate in Educational Achievement. This course leads to Year 13 Health & Physical Education. All credits are internally assessed.

## **SPORT & RECREATION LEVEL TWO – NCEA**

---

### **Pre-requisite:**

This course is for students who did not pass the Core Health & Physical Education Level One course and for those continuing their education from Sport & Recreation Level One.

### **Course Content:**

Sport & Recreation is a continuation from the Level One programme. This course will allow Year 12 students to complete Achievement Standards at Level 1 & 2, without having to repeat those which they may have successfully passed the year before. The course will offer 5 Achievement Standard credits at Level 1 and a possible 13 Achievement Standard credits at Level 2, which contributes 18 credits towards the National Certificate. All standards require the completion of both theory and practical components of work.

- Demonstrate an understanding of the function of the body as it relates to the performance of physical activity.
- Perform a physical activity in an applied setting.
- Analyse group processes in physical activity.
- Examine the significance of physical activity in the lives of young people in New Zealand.

### **Assessment:**

This course offers a total of 18 credits in Achievement Standards towards the National Certificate in Educational Achievement. This course leads to Level 3 Sport & Recreation. All 18 credits are internally assessed.



## PHYSICS LEVEL TWO – NCEA

### Pre-requisites:

14 credits in Level 1 NCEA Science (MUST include S 1.1 the Physics External paper). or 16 credits from year 12 Science.

### Course Content:

- Experimental Methods - units, calculations and graphical techniques.
- Level 3 Waves – standing waves, interference and the Doppler effect.
- Mechanics - vectors, forces, momentum, circular motion and gravitational energy.
- Electricity - charges, electric fields, DC Currents, magnetic fields and electro-magnetic induction.
- Atomic models - models of the atom, radioactivity and half life.



### Assessment:

This course offers a total of twenty-three credits in Achievement Standards towards the National Certificate in Educational Achievement. Seven are internally assessed and sixteen are externally assessed.

## TECHNOLOGY- ENGINEERING LEVEL TWO - NCEA ENGINEERING (UNIT STANDARDS).

*The course also includes maintenance and diagnostic unit standards.*

### Pre-requisite:

14 credits in Level 1 Technology - Engineering.

### Course Content:

Includes unit standards in:

- Drawing and sketching.
- Practical Mathematics.
- Trade calculations.
- Use and care of tools.
- Measuring devices.
- Health and Safety.

### Assessment:

This subject will be assessed using unit standards. Unit standard passes can be counted towards the NCEA Level 2 certificate. This subject offers a total of twenty-four credits, they are internally assessed, but externally moderated by the Tools for work ITO.

## TECHNOLOGY - COMBINED MATERIALS LEVEL TWO NCEA – unit standards

**Pre-requisite:** 14 credits or more in

- Level 1 Combined Materials Technology
- Level 1 Woodwork
- Level 1 Engineering

### **Course Content:**

This full year course consists of 6 theory units and 3 practical assessments contributing 19 credits towards National certificate at level 2. Industry based unit standards require the completion of both theory and practical components of work.

- Demonstrate knowledge of and carry out health and safety procedures for a building construction site (Level 2, 4 credits)
- Assemble mechanical components under supervision (Level 2, 2 credits)
- Identify, select, maintain and use portable power tools for BCATs project (Level 2, 6 credits)
- Use and maintain hand tools for furniture making (Level 2, 4 credits)
- Construct hand joints for furniture (Level 2, 3 credits)

### **Assessment:**

This course is assessed using Unit and Achievement standards at level 2. Unit standards count toward NCEA certificate. This subject offers a total of 19 level 2 credits. This course is internally assessed, but externally moderated by Tools for work and BCITO. This course focuses on practices used in trade-based occupations.



**TECHNOLOGY-WOODWORK  
LEVEL TWO -NCEA  
BUILDING CONSTRUCTION/CARPENTRY (UNIT STANDARDS)**

---

**Pre-requisite:**

14 credits in Level 1 Technology – Woodwork.

**Course Content:**

- Carpentry hand tools and maintenance
- Wood turning
- Portable power tools
- General construction.

It is a requirement that students taking this course also cover three First Aid Unit Standards worth a further four credits.

**Assessment:**

This subject will be assessed using unit standards from Level 2. Unit standard passes can be counted towards the NCEA certificate. This subject offers a total of twenty-three credits, they are internally assessed, but externally moderated. This course has an emphasis on construction.

**TOURISM  
LEVEL TWO – NCEA**

---

**Pre-requisite:**

Numeracy and literacy at Level One.

**Course Content:**

Students will get the opportunity to study aspects of the travel and tourism industry. The course involves looking into what tourism is, the tourism industry, work roles in tourism, knowledge about destinations with New Zealand and overseas, and why people become tourists. All work is covered is internally assessed by Travel and Tourism Unit Standards. The course leads to Level 3 Tourism and/or a career in the tourism industry.

**Assessment:**

This course is assessed using Unit Standards and offers a total of 20 Level 2 credits.

**TRADES  
Through EASTERN INSTITUTE OF TECHNOLOGY  
*This course is primarily aimed at: Year 12 & 13 students***

---

**Pre-requisites:**

Level 1 with at least 80 credits

**What the course involves:**

It involves being at E.I.T. one day a week. Students have a Trade line at school on their timetable to catch up with their mainstream subjects. Students undergo practical and theory-based learning at E.I.T.

**Assessment:**

Internal assessment based on Theory and Practical work. Credits offered are between 20 -24 US.



**Courses Available:**

Agriculture, Animal Care, Automotive, Bakery, Building & Construction, Business Enterprise, Computer Technician, Computer Technology, Engineering, Hair and Beauty, Health & Fitness, Horticulture, Hospitality, Integrated Primary Industry Skills, Integrated Trade Skills, Te Toi Whanake, Toi Whaikairo and Tourism & Travel.

\*Y12 students wanting to enrol in Trades must select this as their 'seventh' subject selection.

## **TE KURA CORRESPONDENCE SCHOOL LEVEL TWO – NCEA**

---

**Pre-requisite:**

Students must have demonstrated good work habits and the ability to 'manage self' at Level One. Further, they must demonstrate sufficient proficiency to think, learn and understand the content of the related L2 course. For example, they have studied this at another school or in the preceding year. The proposed course must be unavailable at Napier Boys' High School. Students must apply to the Senior Master – Curriculum for entry to a Te Kura course.

**Course Content:**

Te Kura is a state-funded distance education provider. Te Kura offers a range of courses, delivered online. Students can apply to enrol for a specific course that is not offered at Napier Boys' High School. Course information is available here: <https://www.tekura.school.nz/subjects-and-courses/>

**Assessment:**

The available number of credits will depend on the course. Courses will involve internal and external assessments. Students enrolled with Te Kura must be complete all coursework to maintain their enrolment.

\*Y12 students wanting to enrol in Te Kura must select this as their 'seventh' subject selection.





# LEVEL THREE COURSES

## Course Selection

Year Thirteen students in their fifth year at secondary school are expected to select a course consisting of five subjects. These may be across Level 1 – 3, depending on the learner.

## Entry criteria to Level Two subjects

- In general, students may study a subject at Level Three if they gained 14 Achievement Standard credits or more in that subject in NCEA Level 2.
- Students should read the pre-requisite for each subject, for further details.

## Compulsory Courses

There are no compulsory courses at Year 13. However, a student must consider their Numeracy and Literacy achievement and the requirements for their intended future study or employment.

## Courses

Accounting (UE)	Mathematics with Calculus (UE)
Agricultural Science (UE)	Gateway
Art (UE)	Japanese (UE)
Biology (UE)	Te Reo Māori (UE)
Chemistry (UE)	Tikanga
Classical Studies (UE)	Mathematics with Statistics (UE)
Digital Information Technology (UE)	General Mathematics
Earth and Space Science (UE)	Music (UE)
Economics (UE)	Physical Education (UE)
English (UE)	PE - Sport and Recreation
Vocational English	Physics (UE)
Geography (UE)	Technology - Engineering
Graphics-Design and Visual Communication (UE)	Technology - Woodwork
History (UE)	Trades with E.I.T
Hospitality	Te Kura (UE- Depending on subject)
	Tourism

## Note

1. Students who have not obtained the literacy requirement for NCEA Level 2 must continue to take an English course at the appropriate level.
2. Students who have not obtained the numeracy requirements for NCEA Level 1 must continue to take a Mathematics course at the appropriate level.
3. Technology subjects, including Hospitality, have charges / costs for take home components.
4. Courses with (UE) are approved subjects for University Entrance.

## **ACCOUNTING LEVEL THREE NCEA**

---

**Pre-requisite:**

Fourteen credits in NCEA Level 2 Accounting.

**Course Content:**

The focus is on Management Accounting which is a change from the Year Eleven and Year Twelve Accounting courses.

Partnerships, Companies and Manufacturing entities are studied. A practical approach is adopted to making business decisions based on Financial Information. Budgeting and Cash-flow provide a basis to business planning. The course is divided into five strands: The Conceptual Basis, Decision Making, Processing, Accounting Systems and Accounting reports.

Students will gain an appreciation of the business world with particular emphasis on companies. There is a study of a NZ Exchange listed Public Company and an analysis and interpretation of its' latest Annual Report.

**Assessment:**

This course offers a total of twenty-two credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Thirteen credits are internally assessed, and nine credits are externally assessed. This course also offers a total of nine unit standard credits all of which are internally assessed.

## **AGRICULTURE / HORTICULTURE LEVEL THREE NCEA**

---

**Pre-requisite:**

Fourteen credits in NCEA Level 2 Agriculture or Biology or Horticulture or Economics or English.

**Course Content:**

The following topics are studied in relation to Lamb and Apples.

- Carry out an investigation into an aspect of a primary product or its production
- Research and report on the marketability of a primary product
- Explain market forces and the relationship(s) between market opportunities and primary products.
- Explain the production process for a nationally significant primary product.
- Analyse a primary production environmental issue.

**Assessment:**

This course offers a total of twenty-four credits. Ten credits are internally assessed, and fourteen credits are externally assessed. There will also be the introduction of two Agribusiness centre of excellence standards to complement current Agriculture standards. These will be offered to selected students only.

## ART – PAINTING, DESIGN, SCULPTURE LEVEL THREE NCEA

---

### **Pre-requisite:**

Fourteen credits in NCEA Level 2 Art or at the HOD's discretion.

### **Course Content:**

Students choose a course of study from any of the following art disciplines: Painting, Sculpture, Design. All subjects are separate Year 13 subjects.

The aims of the courses are to develop practical knowledge and ideas in the Visual Arts. Communicating, interpreting and understanding the Visual Arts in context.

Students will generate, analyse, clarify and regenerate ideas in a body of work in their chosen selected field of study. They will be expected to look at artists' work and research the ways in which art works and art making traditions are maintained, adapted or appropriated.

### **Assessment:**

This course offers a total of twenty-two credits in Achievement Standards towards NCEA. Eight credits are internally assessed, and fourteen credits are externally assessed in the form of a portfolio. (There is the opportunity to gain four extra credits for those students who opt to enter the research standard.) Some students may be allowed to attempt two of the Art subjects offered.



## **BIOLOGY LEVEL THREE NCEA**

---

### **Pre-requisite:**

12 credits from any Level 2 specialist Science course at least FOUR must be from External Assessments or 14 credits from Level 2 Agriculture. It is strongly recommended that students achieve at a high Level in Level 2 English. Accelerate Year 10 students who sat NCEA early and gained entry to Level 2 may only move into Level 3 Sciences as Year 12 students if they have Merit endorsement in this subject at Level 2. If they do not, they may take another Level 2 Science or choose another option.

### **Course Content:**

- Carry out a biological investigation.
- Demonstrate understanding of the responses of plants and animals to their external environment.
- Demonstrate understanding of how animals maintain a stable internal environment.
- Demonstrate understanding of trends in human evolution.
- Demonstrate understanding of human manipulations of genetic transfer and its biological implications.

This course is a tough academic course that requires good reading, writing and thinking skills. It is less practical in nature than the Year 12 Biology course and many of the other science disciplines. It is a good lead up course to those thinking of sport science, veterinary, agricultural science, medicine and other health related tertiary courses.

### **Assessment:**

This course offers a total of nineteen credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Ten credits are internally assessed, and nine credits are externally assessed.

## **CHEMISTRY LEVEL THREE NCEA**

---

### **Pre-requisite:**

Fourteen credits in NCEA Level 2 Chemistry. Accelerate Year 10 students who sat NCEA early and gained entry to Level 2 may only move into Level 3 Sciences as Year 12 students if they have Merit endorsement in this subject at Level 2. If they do not, they may take another Level 2 Science or choose another option.

### **Course content:**

- Carry out an investigation in chemistry involving quantitative analysis (Practical based Internal)
- Demonstrate understanding of oxidation reduction processes (Practical based Internal)
- Demonstrate understanding of thermochemical principles and the properties of particles and substances
- Demonstrate understanding of the properties of organic compounds

### **Assessment:**

This course offers a total twenty credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Seven credits are internally assessed, and fifteen credits are externally assessed.



## CLASSICAL STUDIES LEVEL THREE NCEA

---

**Pre-requisite:**

Fourteen credits in Level Two Classics or History - NCEA Level 2.

**Course Content:**

Classical Studies is understood as the study of the civilisations of classical Greece and Rome without the study of the classical languages, Greek and Latin. Classical Studies includes studies in History, Art and Literature.

Specific topics studied in Year 13. Students will study 3 topics.

- A. Greek: Alexander the Great and Greek Vase painting.
- B. Roman: Virgil's Aeneid
- C. Roman: Architecture

**Assessment:**

This course offers a total of twenty-two credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Twelve credits are internally assessed, and ten credits are externally assessed.

## DIGITAL INFORMATION TECHNOLOGY LEVEL 3 NCEA

---

**Pre-requisite:** nil**Course Content:**

We have a full range of Achievement Standards available to our students. We work in a modular fashion which allows students the flexibility to develop a personalised course which meets their aspirations, interests and needs and which builds on their prior experience. We utilise collaborative and co-operative learning through group work to help our students become lifelong learners. Topics that students can choose from game and web development using python, C#, Unity, a personalised critical inquiry into an area of IT based on the student's personal interests.

Students can gain Merit or Excellence Course Endorsement by choosing one externally assessed standard.

**Assessment:**

We offer a total of 20 internally assessed and 4 externally assessed Achievement Standard credits.

## **EARTH AND SPACE SCIENCE LEVEL THREE NCEA**

---

### **Pre-requisite:**

12 achievement standard credits from Level 2 Earth and Space Science or 12 achievement standard credits in either Level 2 Biology, Chemistry or Physics.

### **Course Content:**

This course explores the subject areas of Astronomy and Earth Systems Science. It integrates concepts and principles from Physics, Chemistry, Biology and Physical Geography. It allows Level 2 Earth and Space Science students to continue their studies and allows others to join from different branches of Science.

Organisation of the course:

Students will study the following topics:

- A. Earth Systems (Externals)  
Earth's Atmosphere and Ocean Systems.
- B. Astronomy (Internals)  
Modelling asteroid impacts (practical investigation)  
Researching Near Earth Objects  
Investigating new astronomical discoveries, such as NASA's New Horizon mission.

### **Assessments:**

This course offers a total of twenty credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Twelve credits are internally assessed and eight are externally assessed.

## **ECONOMICS LEVEL THREE NCEA**

---

### **Pre-requisite:**

Fourteen credits in NCEA Level 2 Economics.

### **Course Content:**

The general aim of this course is to enable students to attain a Level of economic literacy and understanding which would allow them to develop a continuing and critical interest in contemporary economic issues. The course is divided into three sections:

Section A - Resource allocation via market system. This involves the understanding of the key ideas in the operation of the market system and how decisions are made.

Section B - Resource allocation via the public sector. This involves the understanding of the government's role in allocating resources.

Section C - Aggregate economic activity and policy. This involves the understanding of the workings of the economy as a whole, and the effects of government policies.

### **Assessment:**

This course offers a total of twenty credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Ten credits are internally assessed and ten credits are externally assessed.

## ENGLISH 301 LEVEL THREE NCEA

---

### Pre-requisite:

Fourteen credits, in Achievement Standards , in Level 2 English.

### Course Content:

Specific skills to be examined are:

- Reading skills – close reading of unseen prose and poetry texts.
- Writing skills – two pieces of writing, minimum 600 words.
- Produce a major research unit on a specialized literature OR a specialized language topic.
- Deliver a 6 minute presentation using visual and oral skills, on a topic involving language OR literature research OR complete a dramatic presentation with a commentary.
- Write extended appreciation of a literature text (or texts, depending on length), chosen from ONE of:
  - a) novel
  - b) short story
  - c) poetry
  - d) non-fiction
- Write extended appreciation of a visual text, chosen from feature film OR television drama/documentary.

### Assessment:

This course offers a total of twenty-one credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Twelve credits are internally assessed and eight are externally assessed.

## VOCATIONAL ENGLISH 302 LEVEL THREE NCEA

---

### Pre-requisite:

This course is designed as part of the Vocational Pathway. It is suitable for students who have gained 10-13 credits at Level 2 English, and those students who took Level 2 Vocational English the previous year. Students who gained 14 or more credits at Level 2 English and would like to continue with English, but not the traditional literature-based class, may enrol in this course at the discretion of the Head of Department.

### Course content:

Students will focus on continuing their Vocational Pathway, completing Unit and Achievement standards. This course does not offer University Entrance, but students main gain University Entrance literacy.

### Assessment:

All credits are internally assessed.



## **GATEWAY**

*Aimed at Year 12 and 13 students*

---

### **Pre-requisites:**

A proven attitude and work ethic in previous year. Entry to course by application only. Application forms are available week 8 of Term 3 and are due in at the end of term 3. Applicants are notified by end week 1 term 4.

### **What the Course involves:**

The student will attend his industry work placement one day a week. For the remainder of the week the student will be in his Gateway period working on his industry-based unit standards or catching up on work missed while he was on his placement. Electrical, building agriculture, plumbing and hospitality are common industries that boys pursue. The past ten years of Gateway at NBHS have proven the work placement will often lead to an apprenticeship, direct employment or further industry related Tertiary study.

There is a financial contribution toward travel and work gear needed for their placement. Contracts are signed between parents, employers and the student to ensure the student satisfies the responsibilities and expectations of this unique subject.

### **Assessment:**

Industry based assessments at level 2 and 3. Depending on the industry as many as 20 credits.

\*Y13 students wanting to enrol in Gateway must select this as their 'sixth' subject.

## **HOSPITALITY**

### **LEVEL THREE – NCEA (unit standards)**

---

### **Prerequisites:**

14+ credits at Level 1 Food and Nutrition and completion of Level 2 Bakery but students will be entered at the discretion of the Head of Department.

### **Course Content:**

Students will work alongside qualified Chefs to cover Level 2 and 3 NZQA Hospitality Units. This will enable the students to gain valuable life skills and gain Unit Standards at Level 2 and 3 that can be credited towards a Catering / Chef Qualification, should they wish to study Professional cookery and Hospitality.

The course includes the following Standards

- Demonstrate knowledge of Coffee origin and production
- Demonstrate knowledge of Commercial Espresso Coffee equipment and prepare Espresso coffees under supervision
- DKO hot and cold desserts in a commercial kitchen
- Prepare, Assemble and Present Complex sandwiches for Service in a Commercial kitchen
- Prepare & Cook Rice & other Farinaceous Dishes in a Commercial kitchen
- Demonstrate knowledge of culinary products and terms

Students are required to participate in various catering events during the year.

### **Assessment:**

22 Unit Standards at Level 3 and 4 Unit Standards at Level 2 are offered towards a Catering / Chefs qualification.

Course Costs: There is a \$130.00 fee to cover cooking ingredients to be confirmed.



## **GEOGRAPHY LEVEL THREE NCEA**

---

### **Pre-requisite:**

Fourteen Credits in Level Two Geography which must include at least one external, or at the discretion of the HOD.

### **Course Content:**

Year Thirteen Geography covers the topics listed below:

#### ***Topic 1: Analyse natural processes in the context of a geographic environment***

Students gain an awareness of the natural processes that create a range of geographic environments. Students will study their local Hawkes Bay coastal area as their case study.

#### ***Topic 2: Demonstrate understanding of a given environment through a selection and application of Geographic concepts and skills.***

Internal assessments will include geographic research, applying spatial analysis to solve a geographic problem, analysis of a contemporary geographic issue and analysis of a global geographic topic.

### **Assessment:**

This course offers a total of twenty two credits in Achievement Standards towards the National Certificate in Educational Achievement. Fourteen credits are internally assessed and eight are externally assessed. Level 3 Geography allows students to gain University Entrance through 14 internally assessed achievement standards.

## **GRAPHICS - Design and Visual Communication LEVEL THREE NCEA**

---

### **Pre-requisite:**

14 credits in Level Two Graphics

### **Course Content:**

We will be working in both Spatial Design and Product Design. This allows options and encourages diversity in your Graphics practice. Where possible, design topics are real.

### **Assessment:**

This course offers a total of twenty-two credits in Achievement Standards towards the National Certificate in Educational Achievement. Twelve credits are internally assessed and ten are externally assessed. Internal and External assessment is by portfolio. Scholarship is available in this subject.

## HISTORY – NZ OPTION LEVEL THREE NCEA

---

### **Pre-requisite:**

Fourteen credits in Level II History, Geography, Classical Studies or Economics, thereafter at the HOD's discretion.

### **Course Content:**

The course is centred on New Zealand society in the 1980s. Politically the 1980s was a decade of massive personalities, confrontation and reform. It was a decade of two halves, governments promoting strikingly different policies and ideals. New Zealand society began as controlled and conservative, the fringes suppressed. 1984, and the election of the Fourth Labour Government, was a watershed moment in our recent history. New Zealand society ended the decade altered forever, the traditional systems and ways of life had unravelled.

- A 'real New Zealander' – six o'clock closing, state housing, public servants, 'God Save the Queen' & suppressing the enemy within
- Muldoon and Fortress New Zealand – an ordinary bloke, Thinking Big, the last gamble & final siege
- Selling the State – Rogernomics and waving goodbye to the Fortress
- Yuppie times – boom time, the free-market economy & the rise of the 'mum & dad' investor
- 1987 - April Fool's Day and the '87 crash
- Looking closer to home – an independent foreign policy?
- The Treaty strikes back – taking on the Crown
- Culture shock: an uncomfortable identity?
- Continuing the 'dose' – National and the '91 budget

### **Assessment:**

The course offers a total of 26 credits towards the National Certificate in Educational Achievement.

## HISTORY – US OPTION LEVEL THREE NCEA

---

### **Pre-requisite:**

Fourteen credits in Level Two History, Geography, Classics, or Economics, thereafter at the HOD's discretion.

### **Course Content:**

A Survey of American History – with a Focus on the Civil War

- 'Imperial' America?: The US and its Cold War conflicts in Korea, Vietnam and Iraq
- British North America and the origins of the Founding Fathers' Republic
- The emergence of two American nations: North v. South, and the fault-line of Slavery
- Divided loyalties: Union, Confederacy or State? The cases of Abraham Lincoln, Jefferson Davis and Robert E. Lee.
- Was the victory of the Northern states inevitable?
- The South lost the Civil War in the 1865 – or did it?
- Is America the 'Exceptional' nation? A re-examination of its intents and actions, at home and abroad

### **Assessment:**

The course offers a total of 26 credits towards the National Certificate in Educational Achievement.

## JAPANESE LEVEL THREE NCEA

---

**Pre-requisite:**

Fourteen credits in NCEA Level 2 Japanese.

**Course Content:**

In Year Thirteen students will study a further four topics in depth. These are:

- Land and People
- Communications and the Media
- Travel and Tourism
- Japan at Work

In addition to the 75 Kanji that students will already know from Year Twelve, a further 125 Kanji will be studied.

**Assessment:**

This course offers a total of twenty-four credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Fourteen credits are internally assessed and ten credits are externally assessed.

## MATHEMATICS WITH CALCULUS LEVEL THREE NCEA

---

**Pre-requisite:**

Twelve or more credits from the Mathematics 201 course, including one of the external standards, either Algebra or Calculus. Entry may be at the HOD's discretion.

**Course Content:**

This is a specialised course for those wishing to pursue tertiary study in areas such as Mathematics, Physics, Technology, Engineering and Economics. This course includes complex numbers, trigonometry, differentiation and integration.

**Assessment:**

This course offers a total of twenty-one credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Four credits are internally assessed and seventeen credits are externally assessed.

## MATHEMATICS WITH STATISTICS LEVEL THREE NCEA

---

**Pre-requisite:**

Twelve or more credits from the Mathematics 201 course or 12 or more credits from 202, which must include the Probability external, or at the HOD's discretion.

**Course Content:**

This is a general course for students going on to tertiary study. This course includes probability and continues on from content at Level 2. Probability is split into two topics: concepts and distributions. Both are externally examined. There are three internals, these are a continuation of the Statistics topic at Level 2. The topics are Time Series, Bivariates and Inference.

**Assessment:**

This course offers a total of twenty credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Twelve credits are internally assessed, and

eight credits are external. The twelve internal credits all use computers to analyse data, then require a multipage written solution to a set question.

### **GENERAL MATHEMATICS LEVEL THREE NCEA**

---

#### **Pre-requisite:**

Twelve or more credits from the Mathematics 201 or 202 course. Or at the HOD's discretion.

#### **Course Content:**

This is a general Mathematics course designed for students looking to gain University Entrance. The course includes trigonometry, conics, simultaneous equations, linear programming and critical path analysis.

#### **Assessment:**

This course offers a total of fifteen credits in Achievement Standards towards the National Certificate in Educational Achievement, Level 3. All fifteen credits are internally assessed.

### **MUSIC LEVEL THREE NCEA**

---

#### **Pre-requisite:**

Students taking this course will need to have gained at least 14 credits in NCEA Level 2 Music or have equivalent knowledge of music as judged by HOD Music. It is compulsory for all students to take regular instrumental or vocal tuition at school or private, even if they do not sit performance standards. As senior Music students, they will participate in extra-curricular music groups, such as: School Band, Pipe Band, Choir, Barbershop or own rock or chamber groups.

#### **Course Content:**

Level 3 Music will be encouraged to design their own course. Their course will consist of standards focusing on composition, performance or music studies. Students can specialize in one of these three areas or complete a combination of Achievement Standards from various strands. Achievement Standards on offer are:

- Perform two programmes of music as a featured soloist
- Perform a programme of music as a featured soloist on a second instrument
- Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group
- Communicate musical intention by composing three original pieces of music
- Research a music topic
- Create two arrangements for an ensemble
- Examine the influence of context on a substantial music work (External)
- Demonstrate understanding of harmonic and tonal conventions in a range of music scores (External)

This is a challenging course in which students will master music literacy skills through composition and arrangement, develop understanding of context through analysis of music works, as well as equipment and ICT. They will also be encouraged to perform as opportunities arise at school and in the community, such as: School Productions, Super 8 Cultural Competitions, The Big Sing, Smokefree Rockquest, Play it Strange Song writing Competition, Chamber Music Competition, Pacifica Beats and others.



**Assessment:**

The course consists of up to 42 credits in total (8 from an External Standards) contributing towards the National Certificate. Students will up to 24 credits from the available standards and work on an individually designed course schedule for the remainder of the year. Students are encouraged to continue with their work towards ABRSM performance and theory examinations.

### **CORE PHYSICAL EDUCATION LEVEL THREE - NCEA**

---

**Pre-requisite:**

Fourteen credits in Level Two Physical Education or at HOD's discretion.

**Course Content:**

The course consists of five modules of work and contributes 19 credits towards the National Certificate. Each will last approximately 6 -8 weeks with some overlap between modules. Achievement Standards require the completion of both theory and practical components of work.

- Evaluate prior physical activity experiences to devise strategies for lifelong well-being. (4 credits).
- Analyse a physical skill performed by self or others. (3 credits).
- Evaluate the effectiveness of a performance improvement programme. (4 credits).
- Perform a physical activity to nationally developed performance standards. (4 credits).
- Examine a current physical activity event or trend or issue impacting on New Zealand society. (4 credits).

**Assessment:**

This course offers nineteen credits in Achievement Standards towards the National Certificate in Educational Achievement. All nineteen credits are internally assessed.

### **SPORT & RECREATION LEVEL THREE – NCEA**

---

**Pre-requisite:**

This course is for students who did not pass the Core Physical Education Level Two course and for those continuing their education from Sport & Recreation Level Two.

**Course Content:**

This course is a practically based programme that is focussed on athlete development. Students will develop their own individualised training programmes (with support) focused on their chosen sport. Students will learn about periodisation alongside the key principles and methods of training. Sports nutrition will also be a key part of this program gaining knowledge on the importance of our diet in achieving optimal well-being. As part of developing the athlete this course will also focus on leadership with a community focus. Students will develop communication and self-management skills through coaching and/or officiating.

**Assessment:**

this course offers only 4 credits.

AS 3.4 Demonstrate a quality performance of a physical activity in an applied setting (4 credits) - internal

## PHYSICS LEVEL THREE NCEA

---

### Pre-requisite:

Fourteen credits in NCEA Level 2 Physics. Accelerate Year 10 students who sat NCEA early and gained entry to Level 2 may only move into Level 3 Sciences as Year 12 students if they have Merit endorsement in this subject at Level 2. If they do not, they may take another Level 2 Science or choose another option.

### Course Content:

- Mechanics - linear, rotational and oscillatory motion, forces, inertia and energies.
- Electromagnetism - DC circuit analysis, magnetic induction, AC circuits and reactance resonance.
- Atomic Physics - photons and atomic energy levels, fission and fusion, nuclear processes.

### Assessment:

This course offers a total of nineteen credits in Achievement Standards towards the National Certificate in Educational Achievement Level 3. Seven credits are internally assessed, and twelve credits are externally assessed.

## TECHNOLOGY-ENGINEERING LEVEL THREE – NCEA

---

### Pre-requisite:

14 credits in at least one of the Level 2 workshop subjects.

### Course Content:

Extended development of all engineering skills.

### Assessment:

This course will be assessed using unit and Achievement Standards. The course offers at least twenty credits at Level 3 all of which are internally assessed, but the work is moderated externally.



## TECHNOLOGY- WOOD WORK LEVEL THREE – NCEA

---

### **Pre-requisite:**

14 credits in at least one of the Level 2 workshop subjects.

### **Course Content:**

This course builds on the skills developed in previous years. It focuses on furniture making skills to produce a student designed project to meet a specific brief.

### **Assessment:**

This course will be assessed using unit standards at Level 3 which are internally assessed, but the work is moderated externally.

## TRADES through EASTERN INSTITUTE OF TECHNOLOGY *This course is primarily aimed at: Year 12 & 13 students.*

---

### **Pre-requisites:**

Level 1 with at least 80 credits

### **What the course involves:**

It involves being at E.I.T. one day a week. Students have a Trade line at school on their timetable to catch up with their mainstream subjects. Students undergo practical and theory-based learning at E.I.T.

### **Assessment:**

Internal assessment based on Theory and Practical work. Credits offered are between 20 -24 US.

### **Courses Available:**

Agriculture, Animal Care, Automotive, Bakery, Building & Construction, Business Enterprise, Computer Technician, Computer Technology, Engineering, Hair and Beauty, Health & Fitness, Horticulture, Hospitality, Integrated Primary Industry Skills, Integrated Trade Skills, Te Toi Whanake, Toi Whaikairo and Tourism & Travel.

\*Y13 students wanting to enrol in Trades must select this as their 'sixth' subject.



## TE REO MĀORI LEVEL THREE NCEA

---

### **Pre-requisite:**

At least 12 credits in Level 2 NCEA Te Reo Māori, however entry can be granted with the approval of the Head of Māori Studies.

### **Course content:**

One emphasis of this course is the refinement and consolidation of the four language skills – reading, listening comprehension, verbal and written expression in several contexts such as Language Revitalisation, Hākinakina, Pakanga Māori and the Traditional Māori Arts. Another emphasis is the consolidation of karakia, Māori Performing Arts, Traditional Māori past-game games, myth and legends. Furthermore, the opportunity to explore kawa, tikanga marae and whaikōrero will be offered.

### **Assessment:**

This course is through Achievement Standards in each of these areas. Several Unit Standards are also offered to embellish their learning. This course offers a total of 28 credits in Achievement Standards. There are 16 credits that are internally assessed, and 12 credits that are externally assessed. The contexts of the external assessments are set by NZQA each year.

## TIKANGA LEVEL TWO AND THREE NCEA

---

### **Pre-requisite:**

Completion of the Year 9 & Year 10 programme OR a good knowledge base of Te Ao Māori is recommended. Entry can also be granted with the approval of the Head of Māori Studies.

### **Course content:**

The emphasis of this course is the exploration and development of knowledge skills around Māori Culture, History and the Traditional Māori Arts.

### **Assessment:**

This course is predominantly Unit Standard based, with several Achievement Standards offered. This course offers a mixture of approximately 20 Level 2 and Level 3 Unit Standards and Achievement Standards. This course is internally assessed only.

## TOURISM LEVEL THREE – NCEA

---

### **Pre-requisite:**

Achieved their Level 2 NCEA.

### **Course Content:**

Students will get the opportunity to study aspects of the travel and tourism industry. The course involves looking knowledge about the tourism industry and destinations with New Zealand and Australia. All work is covered is internally assessed by Travel and Tourism Unit Standards.

### **Assessment:**

This course is assessed using Unit Standards and offers a total of 26 Level 3 credits.



## TE KURA CORRESPONDENCE SCHOOL LEVEL THREE – NCEA

### **Pre-requisite:**

Students must have demonstrated good work habits and the ability to 'manage self' at Level Two. Further, they must demonstrate sufficient proficiency to think, learn and understand the content of the related L3 course. For example, they have studied this at another school or in the preceding year. The proposed course must be unavailable at Napier Boys' High School. Students must apply to the Senior Master – Curriculum for entry to a Te Kura course.

### **Course Content:**

Te Kura is a state-funded distance education provider. Te Kura offers a range of courses, delivered online. Students can apply to enrol for a specific course that is not offered at Napier Boys' High School. Course information is available here: <https://www.tekura.school.nz/subjects-and-courses/>

### **Assessment:**

The available number of credits will depend on the course. Courses will involve internal and external assessments. Students enrolled with Te Kura must be complete all coursework to maintain their enrolment.

\*Y13 students wanting to enrol in Te Kura must select this as their 'seventh' subject selection.

