



YEAR 13 2021  
COURSE BOOKLET

TAUPO-NUI-A-TIA COLLEGE

ESTABLISHED  
1960

# Arts

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The Visual Art Faculty at Taupo-nui-a-Tia College is a healthy and vibrant part of the school that allows students to explore a wide range of creative fields. We aim to give our students the opportunities to develop original ideas that express themselves and the world they live in while successfully gaining NCEA qualifications. This is a rewarding subject that requires students to use their imagination and creativity, while acquiring a range of practical skills.

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## 13DES - NCEA Level 3 Design

**Recommended Cost \$40**

Students need to learn to solve clearly defined design problems. Solutions need to be communicated through drawings, notes, models and finished work. Students will develop knowledge and understanding of existing design practices, and apply this to their own ideas. Students will produce work, presented in a portfolio and assignments on a number of themes. The course is assessed through achievement standards that cover the curriculum with total credits of 22.

**Teacher in Charge:** Mr G Lindsay

**Contributions and Equipment/Stationery:** A3 visual diary, 2x A3 clearfile. It is recommended students pay the subject charge of \$40. This covers the cost of the take home materials in the course and a yearly licence fee for Photoshop. This would be installed on a personal computer. Students will be expected to pay for their own printing costs.

**Recommended Prior Learning:**

Year 12 design gaining a minimum of 12 credits.

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## 13DRA - NCEA Level 3 Drama

**Recommended Cost \$50**

The Year 13 course expands and extends students' knowledge of drama and prepares them for tertiary study in many disciplines. For example, the course prepares them for any performing arts course, broadcasting school, public relations course, film or literary study, communications courses, etc. It enhances individual confidence, communication and organisational skills, time management and people management skills. Students will also take part in the public Year 13 performance assessment evening. Field trips:

- Theatre visit
- Professional workshops.
- Drama Camp (prior to the public performance)

**Teacher in Charge:** Ms V Gowdy

**Contributions and Equipment/Stationery:** 2B8 exercise book

It is recommended students pay the subject charge of \$50. This covers the cost of theatre. Extra costs may be incurred for travel. Obligatory rehearsal time will need to take place outside of school hours (for 91517).).

**Recommended Prior Learning:**

NCEA Level 2 Drama (12 credits) or by audition.

## 13MUS - NCEA Level 3 Music

Recommended Cost \$15

Music study at Year 13 provides the opportunity for students to be able to specialise in the areas of their strengths and abilities, eg. performance, composition or musical knowledge/research (musicology). This course is a culmination for students who have completed Levels 1 and 2 standards in these areas. Performance, music studies, composition and harmonic analysis are extended to an in-depth level of understanding. Students must be committed to a course of study from the classroom teacher as well as separate weekly tuition from their instrumental music teacher and will often have to work independently to achieve the set tasks. Learning and assessment activities are based around the four strands from the Arts Curriculum document:

Developing practical knowledge in music (theory, aural, score reading)

Developing ideas in music (composing music)

Communicating and interpreting in music (listen to, read and play music)

Understand music in context (developing knowledge and understanding of a variety of music styles both past and present).

Please Note – While students have the opportunity to further their own interests in music this course has a set programme of teaching and learning based on the curriculum and NCEA assessment standards. In addition to music and music technology standards an electronics standard has been created to follow on from the electronics in Level 2 music. Students use their skills from Level 2 to build a cable tester and consolidate their soldering skills. The psychology of conformity (in a music and social context) has been added where students learn about the approaches to psychology, design their own experiment and prepare a report. This opens a pathway to further study in psychology and builds on the Level 2 psychology standards.

### Special Conditions:

As part of the performance requirements for assessment, students need to continue with their course of instrumental tuition on their performance instrument throughout the year (either privately or via the college). It is recommended that lessons be on an individual basis for at least ½ hour per week. (See music department brochure for details.) Extra charges may apply in some cases.

Students must be prepared to take part in performance opportunities.

Music technology is offered to students who have completed levels 1 & 2 tech standards.

**Teacher in Charge:** Mrs L Wigram

**Contributions and Equipment/Stationery:** Ring Binder, A4 Refill (14B8), 14M5 refill (A4 manuscript paper) 2B pencil. It is recommended students purchase a \$10-15 workbook for the external paper (handed out in class). Electronics cost TBC on confirmation of students taking this standard. Own headphones (optional but recommended)  
Drummer – drumsticks, Guitar – guitar pic/capo/tuner

### Recommended Prior Learning:

NCEA Level 2 achievement standards in music.

Enrolment accepted from equivalent exams such as Grade 4 Practical and Grade 3 Theory, however, Grade 4 is recommended.

Auditions may be required for confirmation of entry requirements.

## 13PAI - NCEA Level 3 Painting

Recommended Cost \$100

Students need to have good drawing skills, must be able to handle a variety of painting and drawing media as well as be capable of developing new ideas. Through their work they should gain understanding of methods and procedures used by artists and apply this to a selected subject matter.

Students will produce work, presented in a portfolio and assignments on a number of themes. The course is assessed through achievement standards that cover the curriculum with total credits of 22.

**Teacher in Charge:** Mr G Lindsay

**Contributions and Equipment/Stationery:** A3 visual diary, 2x A3 clearfile. It is recommended students pay the subject charge of \$100. This covers the cost of the take home materials in the course. Students are expected to supply their own paint brushes for portfolio and assessment work.

**Recommended Prior Learning:**

Year 12 painting achieving a minimum of 12 credits.

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## 13PHO - NCEA Level 3 Photography

Recommended Cost \$40

Students need to gain good knowledge of black and white photographic procedures. The course deals with camera handling, taking of photographs and developing techniques for films and prints. Through the image making process students should gain understanding of methods and procedures used by artists, and apply this to a thematic study.

Students will produce work, presented in a portfolio and assignments on a number of themes. The course is assessed through achievement standards that cover the curriculum with total credits of 22.

**Teacher in Charge:** Mr G Lindsay

**Contributions and Equipment/Stationery:** 2x A3 clearfile, 1x A3 Visual Diary, 35mm SLR Camera - Own digital SLR camera is essential. It is recommended students pay the subject charge of \$40. This covers the cost of the take home materials in the course and a yearly licence fee for Photoshop. This would be installed on a personal computer.

Students are expected to pay for their own printing costs.

**Recommended Prior Learning:**

Year 12 photography, gaining a minimum of 12 credits.

# English

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Understanding, using, and creating oral, written, and visual texts of increasing complexity is at the heart of English teaching and learning. By engaging with text-based activities, students become increasingly skilled and sophisticated speakers and listeners, writers and readers, presenters and viewers.

Literacy in English gives students access to the understanding, knowledge, and skills they need to participate fully in the social, cultural, political, and economic life of New Zealand and the wider world. To be successful participants, they need to be effective oral, written, and visual communicators who can think critically and in depth.

By understanding how language works, students are equipped to make appropriate language choices and apply them in a range of contexts. Students learn to deconstruct and critically interrogate texts in order to understand the power of language to enrich and shape their own and others' lives.

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## **13EN1 - NCEA Level 3 English 1 - Academic course**

This course is designed for students who plan to attend university. It targets students who are passionate about literature and wish to extend their ability to critically examine and critique challenging texts. The purpose of the learning is to respond critically to written, visual and unfamiliar texts and have the confidence to communicate their ideas creatively and fluently.

**Teacher in Charge:** Mrs P Holmes

**Contributions and Equipment/Stationery:** 1 x Ringbinder, 1 x 14B8, 1 x subject dividers

**Recommended Prior Learning:**

Students must achieve at least 14 credits at Level 2 English and include 2 externally assessed standards and one internally assessed standard at Merit level or higher, with Merit or Excellence Endorsement.

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## **13EN2 - NCEA Level 3 English 2 – Voices and Viewpoints**

This is an academic course focused on literary critique of challenging texts and students developing their own voice and skill as a writer. Standards will be tailored to meet the students' interests and needs. This course will offer the students the 14 credits required for a UE approved subject.

**Teacher in Charge:** Mrs P Holmes

**Contributions and Equipment/Stationery:** 1 x Ringbinder, 1 x 14B8, 1 x subject dividers

**Recommended Prior Learning:**

Students must achieve at least 14 credits at Level 2 English and include 2 externally assessed standards and one internally assessed standard at Merit level or higher.

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## **13EN3 - NCEA Level 3 English 3 – Communications and Literacy Course**

This course is tailored for students to meet their individual needs. This is ideally targeted for students that did not meet the prerequisite for the level 3 English course. Within this course there are two pathways; students can either follow a programme of level 2 UE achievement standards or level 3 communication unit standards. This course offers a range of courses and is designed to be flexible and responsive to students needs and interests.

**Teacher in Charge:** Mrs M Heaslip

**Contributions and Equipment/Stationery:** 1 x Ringbinder, 1 x 14B8, 1 x subject dividers

**Recommended Prior Learning:**

Students must achieve at least 8 credits at Level 2 English. Students who have not reached this prerequisite must repeat a level 2 course this year.

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## **13MED - NCEA Level 3 Media Studies - Academic**

Media studies is a multi-faceted course which focuses on a balance of analysis and production. Students will be encouraged to look closely at deeper messages within various media texts such as journalism, film and social media, with a strong focus on writing, and creating. There is a significant production standard in this course which will require students to plan and produce a short film. Some prior knowledge of editing programmes, such as iMovie or Premiere Pro, will be an advantage, as is access to a personal laptop and device for filming. Students considering media studies could be on a career pathway to journalism, public relations, communications, human resources, design work and advertising.

**Teacher in Charge:** Mrs C Findlay

**Contributions and Equipment/Stationery:** A4 Refill (14B8), Pen, Personal laptop and device for recording (phone acceptable) recommended

**Recommended Prior Learning:**

NCEA Level 2 English 14 credits and 1 external achievement standard.

# Health and Physical Education

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Physical education applies a holistic approach to the concept of physical activity for young people. Students take part in a range of games, sports and adventure-based learning, which together teach inter-personal skills such as being inclusive and working in teams. Learning in physical education involves the acquisition of knowledge, concepts, skills, and attitudes central to physical education, together with recognition of its potential for integration with other curriculum areas.

The focus is on the well-being of the students themselves, of other people, and of society through learning in Health related and movement contexts. In health, students develop their understanding of the factors that influence the health of individuals, groups and society. In Physical Education, the focus is on movement and its contribution to the development of individuals and communities.

For any questions you can talk to Mrs Maclachan

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## 13HEA - NCEA Level 3 Health

This UE approved Level 3 course builds on key health concepts developed across Level 1 and Level 2 Health, it is a full achievement standard course offering three internal achievement standards and one external achievement standard.

This course will develop an understanding of the factors which influence the health of individuals, groups and society. Topics covered include teenage pregnancy, cancer, depression, euthanasia and fertility. We study the consequences for personal, interpersonal and societal well-being related to these issues and the strategies needed to bring about health-enhancing change. A high level of independent research is necessary and the course will encourage students to develop empathy and other skills related to the health and social service sector.

**Teacher in Charge:** Mrs M. MacLachlan

### **Recommended Prior Learning:**

Completed Level 1 or 2 Health or negotiation with the Head of Faculty and NCEA Level 2 English 14 credits.

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## 13ODL - NCEA Level 3 Outdoor Education

**Recommended Cost \$300**

This course provides life-long lessons for student by increasing self-esteem, resilience, organisational and communication skills. Year 13 Outdoor Education offers a wide range of opportunities that take advantage of the world class outdoor environment that Taupo has to offer. The main pursuits that will be taught are bush, tramping, survival skills and sea kayaking. After our students have had time to learn how to manage themselves, they will have opportunity to take a junior outdoor education group for an outdoor education experience with our students as the instructors.

This course is a platform for preparing students who are interested in developing themselves and who want a stepping stone to further education in the adventure tourism industry. This is a practical course that involves one weekend away on a trip and various school days throughout the year. It is compulsory that students attend all field trips.

**Teacher in Charge:** Mr K. Sainsbury

**Contributions and Equipment/Stationery:** It is recommended that students pay the course costs of approximately \$300.

**Recommended Prior Learning:** Successful applicants will be expected to be physically fit and willing and able to participate in a number of different activities. Successfully completed Year 12 Outdoor Education or Year 12 Physical Education, or at the discretion of the Head of Faculty.

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### **13PED - NCEA Level 3 Physical Education**

**Recommended Cost \$175**

This course is based on level 8 of HPE in the New Zealand curriculum and is aimed at students who wish to study Physical Education in greater detail. There is a camp in term 1 where students are assessed on their performance of a skill. We also use the Tough Guy and Gal challenge as our event in term 3 for our training programme.

**Teacher in Charge:** Mrs E Walker

**Contributions and Equipment/Stationery:** Laptop/Tablet. It is recommended that students purchase the Year 13 PE workbook, attend the paddle board sessions and camp and complete the Tough Guy & Gal challenge. It is recommended students pay the course costs of \$175 which includes camp, transport and paddle board hireage.

**Recommended Prior Learning:**

Recommendation by your Year 12 physical education teacher or entry at the discretion of the Head of Faculty, Health & Physical Education, if you have not taken this subject before.

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### **13SAR - NCEA Level 3 Sport and Recreation**

**Recommended Cost \$115**

This course caters for students with a genuine interest in sport and recreation. The programme will introduce students to sport injury management, personal well-being, basic use of gym equipment, as well as outdoor recreational activities. A range of sporting and recreational activities will be included in this course in support of these, including basic personal training, basic gym instructing etc. It is recommended the students complete the Empower fitness gym programme and attend the Tough Guy & Gal challenge.

**Teacher in Charge:** Mr W Lather

**Contributions and Equipment/Stationery:** 1B5 and pens. It is recommended students pay the course costs of approximately \$115 which includes travel.

**Recommended Prior Learning:**

Successful applicants will be expected to be physically fit and willing and able to participate in a number of different activities. Successfully completed Year 12 sport and outdoor education or Level 2 physical education, or at the discretion of Head of Faculty.



# Languages

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The Languages Faculty encompasses four languages: Spanish, French, Te Reo Maori and Japanese. We teach how to speak the chosen language in a useful and appropriate way.

The majority of our students who learn a language or languages are complete beginners when they start in Year 9. A majority of languages can be studied through all Levels of NCEA.

Being bilingual or even multilingual bestows a distinct advantage upon our students for future studies and career opportunities. Many university faculties welcome a high level of competence in a second language as an indication of academic ability and are recommending a second language as a means of “having a difference, to stand out” from the majority of graduates.

Students who choose to learn and speak another language open doors to careers of wide diversity. Opportunities through business and commerce, law, medicine, the arts, teaching, engineering and architecture expand exponentially when another language is spoken.

In New Zealand’s increasingly multicultural society, it makes sense for those working in all professions and trades to be able to understand cultural differences and to appreciate them. Learning another language promotes awareness of the differences, and similarities, of those from other cultures that students will eventually work beside.

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## 13JAP - NCEA Level 3 Japanese

**Recommended Cost \$40**

Year 13 is an integrated programme which provides a progressive development of language skills and cultural knowledge attained in Levels 1 to 8 of the Japanese curriculum (Years 9 to 13). Students will be encouraged to consolidate, extend and become more diverse in all four language skills, as well as deepening and extending their awareness of a variety of aspects of Japanese life. The vocabulary and grammar structures at this level of study will occur in extended conversations and written work based on Levels 7 to 8 of the Japanese curriculum. Through the study of four topics, and the revision of Level 2 topics, students will master the reading and writing of 200 basic kanji and grammar points for the Level 3 achievement standards examination. Standard AS 91555 is optional. Students can enter the ALC Certificate Level 3 and enter the Education Prefect competitions.

This leads to tertiary study.

**Teacher in Charge:** Ms R Ireland

**Contributions and Equipment/Stationery:** 1 hardback exercise book (2B5). 2 graph book (1E8), 1 ring binder & subject dividers. It is recommended that students purchase the NCEA Level 3 course booklet at approximately \$20.

**Recommended Prior Learning:**  
9 Credits NCEA Level 2 Japanese.

## **13FRE - NCEA Level 3 French**

In line with the National French Curriculum the content for the senior school (Year 13) is based on a thematic approach. Through the study of a number of themes the students will be encouraged to extend and develop their ability to communicate in the four language skills. This leads to tertiary study.

**Teacher in Charge:** Mrs C Feuillade

**Contributions and Equipment/Stationery:** 2 Exercise Books (1B8)

**Recommended Prior Learning:**

12 French credits NCEA Level 2.

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## **13MAO - NCEA Level 3 Te Reo Māori me ngā Tikanga Māori**

**Recommended Cost \$20**

Te Reo Māori fulfils the literacy requirement for University Entrance. Literacy must be in either Te Reo Māori or English, it cannot be a combination of both. The course aims to cultivate Tikanga Māori, Wairua Māori and increase student enjoyment in using te reo Māori. Students will develop a sensitivity and respect for Te Ao Māori and Tikanga Māori. Students are expected to research and be able to express, expand and justify their thoughts on Te Ao Māori and Tikanga Māori kaupapa.

Field Trips: Manu Kōrero regional and national speech competitions, curriculum topic marae stay.

**Teacher in Charge:** Ms S Richards

**Contributions and Equipment/Stationery:** It is recommended students pay an access fee of approximately \$20 to enable them to log on to the 'Education Perfect' website for Online Vocabulary.

**Recommended Prior Learning:**

It is preferable that students have gained credits at NCEA Level 2 Te Reo Māori.

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# Mathematics

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Mathematics is all about ideas, principles and concepts. Knowledge of numbers (numeracy) is important as a foundation, but mathematics is much more than this. The reasoning required for Mathematics is used in all walks of life, from music to sport, from languages to sciences.

Our aim is to prepare our students' minds to appreciate the importance and usefulness of Mathematics. Taupo-nui-a-Tia Mathematics staff endeavour to provide a positive work environment where each student can develop their personal excellence.

Year 11, Year 12 and Year 13 students can choose from a variety of courses that will address their skills and specific needs. Their choices arise from the progress they have made during each previous year level. Real progress in Mathematics is attained by students fully participating in class, making the most of all the opportunities that are offered, and having a positive attitude toward their studies.

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## 13MWC - NCEA Level 3 Mathematics With Calculus

**Recommended Cost \$20**

This course is based on Level 8 of mathematics in the New Zealand Curriculum. It is designed for students who have coped comfortably with Level 2 mathematics achievement standards. Topics covered are algebra, trigonometry, differentiation, integration, complex numbers. A knowledge of mathematics with calculus is required for tertiary level courses in science, engineering, architecture, economics, finance, psychology and medicine

**Teacher in Charge:** Mr R Thompson

**Contributions and Equipment/Stationery:** 2x Maths Exercise Books (1J5) or Ringbinder and A4 Refill. It is recommended that students have a Casio FX 9750GA Plus graphics calculator, approximately \$115, and a Calculus Workbook approximately \$20.

### **Recommended Prior Learning:**

At least 13 Level 2 credits that must include 91261 (algebra) (2.1), 91262 (calculus) (2.6) preferable at merit or higher.

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## 13MWS - NCEA Level 3 Mathematics With Statistics

The course covers an introduction to probability theory and to the analysis of data, in preparation for university level statistics papers. Analysis of data will require students to complete research and write analytical reports. These reports are generally 3-5 pages long and require a good level of literacy. The course is assessed through Level 3 achievement standards. Entry for the external achievement standards is dependent on passing the appropriate formative assessment.

**Teacher in Charge:** Mr C Walton

**Contributions and Equipment/Stationery:** 2x Maths Exercise Book (1J5) or Ringbinder and A4 Refill, ruler, Casio Graphical Calculator (from school office). It is recommended that students bring their own device eg laptop, chromebook or similar. For the externals, a Casio FX 9750GA Plus graphics calculator is highly recommended. Though expensive, students are at a disadvantage in external examinations without it.

**Recommended Prior Learning:**

Recommendation from teacher of Level 2 Mathematics and 15 L2 credits which must include 1) AS91256 or AS91269; 2) AS91265 or AS91264 or one from either of the two English standards AS91098 or AS91099; and 3) the external AS91267.

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**13MAT - NCEA Level 3 Mathematics**

This course is based off Level 8 of mathematics in the New Zealand Curriculum with a focus on how mathematics can be applied to all areas of the 'Science, Technology, Engineering, Mathematics' (STEM) framework. The course will be run in a 'flipped' manner in which, with guidance, students will be able to branch out and investigate different situations.

**Teacher in Charge:** Mr C. Walton

**Recommended Prior Learning:**

12 Level 2 credits from Year 12 Mathematics (MAE, MAS, or MAN) courses. Evidence of maintaining a complete set of class work from Level 2 course or recommendation from the teacher in charge of Level 3 Mathematics.

# Science

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Science requires curiosity, imagination and inspiration. In science we learn to investigate, understand and explain our world and the wider universe. We do this through the generation and testing of ideas and gathering of evidence in various ways. A good foundation in science enables problem solving and decision making in many areas of life.

Students need a basic understanding of science for many different career paths and to cope with the challenges of technology in the world.

In the junior school we study the nature of science in the context of the living world, the material world, the physical world and planet Earth and beyond. In the senior school it is possible for students to specialise in one or more of the science disciplines.

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## 13BIO - NCEA Level 3 Biology

**Recommended Cost \$20**

This course is aimed at students who wish to study biology in greater depth, and also wish to develop skills which will be important in studying biology at tertiary level.

The course could include:

- Animal and Plant behaviour
- Human Evolution
- Patterns of speciation
- Biological investigation
- Maintaining a constant internal environment
- Socio-scientific research report

**Teacher in Charge:** Mrs L Brown

**Contributions and Equipment/Stationery:** Computer or 1B8 punched, ringbinder, 1B5 or 1B8 ex. Book pencil, 30cm ruler, blue & black pens, highlighter. It is recommended that students purchase a learning workbook at approximately \$20.00..

### **Recommended Prior Learning:**

12 credits from level 2 achievement standard biology with at least 4 credits from external achievement standards. 12 credits from level 2 English 1 or English 2.

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## 13CHE - NCEA Level 3 Chemistry

**Recommended Cost \$30**

The content of the chemistry course at Year 13 is based on the NCEA Level 3 Chemistry achievement standards. This course expands on the knowledge you covered in Level 2 and focuses on the composition and properties of matter, the energy involved as it undergoes change and understanding the nature of particles to predict the properties and reactions of materials. Chemistry has been described as the “central science” because there are few sciences where at least some knowledge of chemistry is not a requirement. It may be advisable for those considering a career based in the sciences to check what level of chemistry is required, since many university and some polytechnic courses require chemistry equivalent to or beyond Year 13 level.

**Teacher in Charge:** Mrs L Brown

**Contributions and Equipment/Stationery:** 1B8 punched, ringbinder, scientific calculator , pencil, 30cm ruler, blue & black pens, highlighter Physics: also needs 14J8 graph paper. It is recommended that students purchase a write-on manual at approximately \$30.

**Recommended Prior Learning:**

3 Achievement standards at achieved level or higher from level 2 chemistry achievement standards. 12 credits from Level 2 mathematics.

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## **13PHY - NCEA Level 3 Physics**

**Recommended Cost \$20**

This is a general Level 3 NCEA physics course for students intending to work or study in physics-related fields such as engineering, architecture, games design, radiotherapy, medicine, military training. Students can study

- mechanics – translational motion, circular motion and gravity, rotating systems, oscillating systems
- electricity – resistors in DC circuits, capacitors in DC circuits, inductors in DC circuits, AC circuits
- waves – standing waves, the Doppler effect, interference patterns

All achievement standards are based on student interest and may change with general classroom consensus.

**Teacher in Charge:** Ms L Strange

**Contributions and Equipment/Stationery:** 1B8 punched, ringbinder, pencil, 30cm ruler, blue & black pens, highlighter, 14J8 graph paper and a scientific calculator is required for this course. It is recommended that students purchase a write-on manual at approximately \$20.00 per book. A scientific calculator is required for this course.

**Recommended Prior Learning:**

3 achievement standards and 1 external at achieved level or higher from level 2 physics. 12 credits from level 2 mathematics.

# Social Science

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Through studying the social sciences, students develop the skills to engage as effective and responsible members of society. They acquire the skills to critically examine what they learn and draw conclusions after assessing the evidence. Theoretical components taught in the class are matched with various real-life activities that relate theory to practice. Students develop their ability to fit into society as responsible members, thereby contributing to their personal growth and development.

The Social Sciences faculty provides challenging learning programmes that meet the individual educational needs of all students in an authentic and engaging manner. We encourage students to draw on their prior knowledge in order to acquire a clear understanding of local, national and global issues.

Through the Social Sciences students are offered not only a window into New Zealand but the world in which they live and will contribute to in the future. Students develop a global perspective over the years they study in the Social Sciences faculty developing a tolerance and appreciation of others and their viewpoints and can confidently discuss and debate a range of issues.

All year 9 and 10 students will study social studies. The subject is about people and how and why in different contexts they think, feel and act. It is about how they organise their way of life, interact with others and their environment, initiate and respond to change; and how they meet their political, social, economic, legal and spiritual needs.

Students will develop their inquiry skills to access information, interpret this information and communicate their findings using a range of technologies to do so.

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## 13ACC - NCEA Level 3 Accounting

Recommended Cost \$25

Students wishing to study business, commerce or law at tertiary level will benefit from Level 3 accounting, as will those wishing to take up employment in an accounting type job. The content of the course includes:

- Formation of partnerships and companies
- Reporting financial information and the study of financial reporting standards
- Management accounting for decision making
- Analysis and interpretation of company annual reports
- Job costing for decision making

While this course builds upon the knowledge and skills taught in NCEA Levels 1 and 2, this course has been successfully picked up by competent students willing to make a substantial effort.

**Teacher in Charge:** Mr T Tinworth

**Contributions and Equipment/Stationery:** Ring Binder, A4 Refill (14B8), 1J5. It is recommended that students purchase a workbook at approximately \$25.00.

### Recommended Prior Learning:

14 or more credits at Level 2 NCEA accounting or in consultation with the teacher in charge of accounting. Leads to tertiary study.

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## 13CLA - NCEA Level 3 Classical Studies

The classical studies course looks at a range of disciplines: ancient literature, philosophy, politics, history and art history. The focus for Level 3 is on Roman topics where power and empire are studied in detail. The study of the Roman Gods is an integral part of the course.

Topics include:

- Roman art
- Augustus
- Virgil's Aeneid

Please Note: All literature and other written material used are English translations.

**Teacher in Charge:** Mrs R Forrest

**Contributions and Equipment/Stationery:** Ring Binder, A4 Refill (14B8), subject dividers

### **Recommended Prior Learning:**

At least 14 credits at Level 2, including 5 credits in writing and 5 credits in reading from English and/or History.

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## 13ECO - NCEA Level 3 Economics

**Recommended Cost \$25**

Economics at this level provides very good preparation for study at university and also provides an interesting overview of the economic issues facing a modern economy. The course would provide a good background for students studying not just economics at university but also areas as diverse as law, environmental science, politics, and other areas of business and commerce. The course is divided into four main areas of study and a selection will be made from:

- **Microeconomic concepts:** This is an overview of the concepts related to consumer demand and to producer supply.
- **Markets and efficiency of different market structures:** This is how firms are organised to use scarce resources to provide us with the goods and services we consume. Some forms of market structures are more desirable than others.
- **Market failure:** This explores ways in which the government needs to intervene into some markets in order to correct issues facing modern economies.
- **Aggregate economic activity:** This looks at the New Zealand economy and the internal and external factors that influence the economic activity within the economy. The impacts on all of us from changes in economic activity are covered in this section of the course.

**Teacher in Charge:** Mr T Tinworth

**Contributions and Equipment/Stationery:** Ring Binder, and A4 Refill (14B8), or 1J5. It is recommended that students purchase an economics workbook at approximately \$25.

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## 13GEO - NCEA Level 3 Geography

Recommended Cost \$60

Geography at this level is varied and stimulating. It involves students in theoretical and practical studies. Students will develop a large range of skills and learn how to apply these in various contexts. This subject is an accepted prerequisite for a broad range of tertiary courses. There are two external achievement standards and a selection of internals. Students will investigate the Lake Taupo environment to discover why it is shaped the way it is. The second external achievement standard is an extension of skills learned over the level 1 and 2 courses applied to a context. Internal achievement standards include investigating a global current issue such as human trafficking and local research of an issue or pattern.

**Teacher in Charge:** Mrs J. Grey

**Contributions and Equipment/Stationery:** 1x PVC ringbinder (A4/2/38), A4 Refill (14B8), cardboard subject dividers x5, coloured pencils, ruler, highlighters. Fieldwork will be undertaken in the local area and this will involve some costs for transport, approximately \$50. It is recommended that students purchase the TNT workbooks for external achievement standards at approximately \$10.

### **Recommended Prior Learning:**

Students need not have taken geography at Years 11 or 12 but it is an advantage. A minimum of 14 achievement standard credits in Level 2 English or Geography, which must be a combination of internal and external standards, or by negotiation with the teacher in charge of Geography.

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## 13HIS - NCEA Level 3 History

### 1. Maori Pakeha relations in the 19th Century

Meet remarkable figures like Hone Heke; famed flag pole destroyer, General Duncan Cameron; British soldier who led his troops to defeat in the Waikato, George Grey; Governor of New Zealand, who swung between favouring Maori and attempting to take away their land, as well as missionaries, sealers, whalers and traders who lived in the bawdy, bustling brothel town of Kororareka, the first capital of New Zealand. Why did Britain decide to annex New Zealand? Why was the Treaty of Waitangi signed? Why did the New Zealand wars break out?

### 2. Research topics

This component is internally assessed and comprises 10 credits. Different topics are chosen from year to year depending on the interests and strengths of the students, availability of resources and the requirements of the standards.

**Teacher in Charge:** Mr R Gregory

**Contributions and Equipment/Stationery:** Ring binder, A4 Refill (14B8), subject dividers, highlighter

### **Recommended Prior Learning:**

Students need not have taken History in Years 11 or 12, but need to be able to read indepth, complex material. They must be able to write in a clear, logical and well-constructed way, formal essays of 800 to 1200 words in length. A minimum of 16 Level 2 credits in Level 2 Social Sciences or English is required, or in consultation with the teacher in charge.

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## 13TOU - NCEA Level 3 Tourism

The focus will be on specific destinations, and the role of tourism in New Zealand. Students intending to go on to the tourism tertiary colleges will be able to cross-credit some of the unit standards, thus reducing tertiary course fees.

**Teacher in Charge:** Mrs Y Orr

**Contributions and Equipment/Stationery:** Highlighters, glue stick, ruler. Course supported by STAR funding. Some field work may be undertaken which could involve some cost to students.

**Recommended Prior Learning:**

Year 12 tourism, or discussion with the teacher in charge of Tourism. At least 9 literacy credits in achievement standards or unit standards in Year 12 English or Geography.

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# Technology

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Technology is the intervention by design: the use of practical and intellectual resources to develop products and systems (technological outcomes) that expand human possibilities by addressing needs and realising opportunities.

Adaptation and innovation are the heart of the technological practice. Quality outcomes result from thinking and practices that are informed, critical and creative. Technology makes enterprising use of its own particular knowledge and skills, together with those of other disciplines. Graphics and other forms of visual representation offer important exploration for communication.

Each semester presents an opportunity to follow a specialised course of study in a technology specialism. The subjects offered will be product design technology (working with wood and metal), textiles technology (designing and making fashion related items), food technology (using food with a focus on nutrition), and computing (programming and web development). Each of these courses is designed to extend the students' technological competence and confidence and provide a useful foundation for the level 1-3 courses.

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## 13CJ - NCEA Level 3 Carpentry and Joinery

This course caters for students who are interested in a future career in Carpentry, Building, Joinery or the Furniture industries and can further lead onto a career in quantity surveying, project management or contract management. Students are able to earn nationally recognized unit standards at level 3 while completing a range of different practical tasks. Students will have the opportunity to be involved in the construction of two small buildings which are built to the relevant council codes of practice. The course is delivered in conjunction with the Building and Construction Industrial Training Organisations of New Zealand.

**Teacher in Charge:** Mr J Thiele

**Contributions and Equipment/Stationery:** Subject charges will be supported by STAR funding. Students are expected to provide all materials for individual projects.

**Recommended Prior Learning:**

NCEA Levels 1 and 2 technology is an advantage, or 12927 (Hand Tools), and 24350 (Portable Power Tools).

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## 13FN - NCEA Level 3 Food Technology

**Recommended Cost \$120**

This course covers food nutrition and processing as well as general technology using the medium of food. It is a useful choice for a wide range of subject areas at tertiary level including food nutrition, food science and technology. Students need to demonstrate independence and efficiency in both practical and theory work at this level, so a good level of self-managing skills and practical competence is expected. The standards often allow students to have creativity and make choices about their practical work, while still working in a methodical and systematic way. Some of the standards involve both theory and practical components for assessment.

**Teacher in Charge:** Mrs A Lamprecht

**Contributions and Equipment/Stationery:** There may be one or more field trips which will incur a charge for transport.

**Recommended Prior Learning:**

It is advisable that students have passed the internal standards at Level 2 Food and Nutrition.

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## **13DT - NCEA Level 3 Digital Technologies**

Students choosing digital technologies pathways for NCEA Level 2 will develop the more specialised skills that industry partners say are in high demand. The new content covers two key areas, computational thinking and designing and developing digital outcomes.

Computational thinking is about understanding the computer science principles that underlie all digital technologies, and learning how to develop instructions, such as programming, to control these technologies. Designing and developing digital outcomes is about understanding that digital systems and applications are created for humans by humans, and developing knowledge and skills in using different digital technologies to create digital content across a range of digital media.

**Teacher in Charge:** Mrs C Fraser

**Contributions and Equipment/Stationery:** 8GB USB Storage Device

**Recommended Prior Learning:**

Requires a minimum of 8 credits from NCEA Level 2 digital technologies.

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## **13DVC - NCEA Level 3 Design and Visual Communication**

**Recommended Cost \$40**

The course is designed to provide a variety of realistic design and drawing experiences that are challenging, creative and enjoyable. These experiences draw on students' interests and cultural backgrounds. Students have extensive access to computer aided design (CAD) and are encouraged to use this throughout their projects. This course is intended for students interested in design as a means to develop their own visual communication skills and particularly as an intended pathway towards further tertiary study and careers in engineering, product design or architecture. The course is a full achievement standard course and is a combination of internal achievement standards and external achievement standards.

**Teacher in Charge:** Mr R Forrest

**Contributions and Equipment/Stationery:** A3 visual diary, 1x A3 Clearfile. Students must supply their own rendering materials (pencils, colouring pencils marker pens) as well as a compass. It is recommended that students pay the subject charge \$25. This covers the cost of all take home materials used in this course (Limited 3D printing, laser cutting, CNC milling for the production of prototypes) and any colour printing costs.

**Recommended Prior Learning:**

It is preferable for a student to have taken this subject in Years 11 and 12.

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## 13EGA - NCEA Level 3 Engineering and Automotive

**Recommended Cost \$340**

This course caters for students interested in a future career in the engineering and/or automotive industry. Students are able to earn nationally recognised unit standards and/or Level 3 Achievement standards while completing projects that involve a range of different practical skills. Students will have the opportunity to design and build a motor bike and race the bike at the New Zealand Secondary Schools mini motor GP. The course is delivered in conjunction with Toi Ohomai Institute of Technology and Competenz New Zealand.

**Teacher in Charge:** Mr S Fowler

**Contributions and Equipment/Stationery:** 1x A4 Display book, A4 refill (14B8)

Subject charges will be supported by STAR funding. Students are expected to provide all materials for individual projects. Students choosing to construct a motor GP bike or a go kart, please note the cost is approximately \$340 for the ,minibike or kart kit and \$700 for the larger 70cc motor bike.

**Recommended Prior Learning:**

NCEA Levels 1 and 2 technology is an advantage. NCEA Level 2 Unit Standard 21907, 4436

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## 13HOS - NCEA Level 3 Hospitality

**Recommended Cost \$130**

Students will complete a range of level 3 standards in Hospitality that will provide a pathway to tertiary study in the hospitality sector or the skills to gain entry level jobs in the food industry. This course offers both practical and theoretical application of knowledge and skills required in the hospitality industry. Level 3 Hospitality recognises the competence, knowledge and skills required to successfully prepare and present food and beverage in a commercial kitchen. Students will demonstrate their ability to comply with health and safety legislation. As part of this course students will complete Barista training at level 3 and run a cafe during the school day. These are excellent to have for entry level into the hospitality industry or looking at part-time employment. The course is creative and interesting and allows students to learn useful skills that are in high demand in the workforce.

**Teacher in Charge:**

**Contributions and Equipment/Stationery:** It is recommended students pay the subject charge of \$130. This covers the cost of all take home content used in the course throughout the year, (Subject charge is supported by STAR funding, covering the cost of the workbooks and some of the food used by students). A Gateway placement for a period of time is a requirement for this subject.

**Recommended Prior Learning:**

It is an advantage if students have studied food and nutrition or hospitality at other levels.

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## **13TM - NCEA Level 3 Textiles**

**Recommended Cost \$80**

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

- Research and develop designs for their fashion items.
- Design and make costumes for the school production or fashion show.
- Create specialised products using advanced procedures.
- Re-fashion garments into amazing creations
- Enter design competitions.

This course is a University approved course, offering a minimum of 14 UE credits

**Teacher in Charge:** Mrs P Simmonds

**Contributions and Equipment/Stationery:** A3 Visual Diary. It is recommended students pay the subject charge of \$80 which covers the take home content of the course.

**Recommended Prior Learning:**

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

# Vocational Pathways

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## 13EST - NCEA Level 3 Enterprise Studies

Enterprise studies is an opportunity for students to unleash their inner entrepreneur and experience the start-up world first hand. It is an experiential programme where students set up and run a real business. Each student will form a company, conduct market research, create their own product or service and bring this to market and sell.

Students will:

- Learn about business planning and operations
- Develop a range of personal and business skills
- Consult with and create networks in their community
- Learn how to make informed decisions on the use and management of money
- Have an opportunity to compete in the Young Enterprise Scheme

**Contributions and Equipment/Stationery:** 1x 60 pocket clear files. It is recommended that students pay the following course costs if they choose to compete in the Young Enterprise Scheme. Registration per student for Young Enterprise Scheme Competition \$35. Travel to Timata - Kick Start Day (cost to be advised – this was sponsored in 2020). Travel to Young Enterprise Scheme regional and national awards ceremonies if applicable (cost to be advised – this was sponsored in 2020).

**Recommended Prior Learning:**

NCEA Level 2 (including numeracy and literacy) or in consultation with teacher in charge.

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## 13FSK - NCEA Level 3 Farming Skills

This internally assessed course builds on the Level 1 agriculture course for students who may be going on to work or study in the agriculture or horticulture sectors. Students create their own course of study, selected from the Southern Institute of Technology - Telford STAR programme, from the categories below.

General Agriculture  
Vehicles and Machinery  
Fencing  
Dairy  
Deer  
Cattle  
Sheep  
Farm Dogs  
Agri-chemicals and Plant Pest Control  
Beekeeping  
Equine  
Horticulture

All Unit Standards are internally assessed. Individual programmes are approximately 20 credits.

**Teacher in Charge:** Miss A Simpson

**Contributions and Equipment/Stationery:** It is recommended students attend the Agricultural Field Days Term 2 at a cost of approximate cost \$35.00. Other field trips may be required, these will be planned as needed and all costs kept to a minimum. This course is also supported with STAR funding. Ringbinder, blue & black pens, highlighter A4 lined refill

**Recommended Prior Learning:**

Entry after consultation with Head of Science or teacher in charge of agriculture.

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## **13SP - NCEA Level 3 Service Preparation**

**Recommended Cost \$150**

This course is to provide an introduction to life in the services (Army, Navy, Air Force, Police and Fire). It is a motivating and disciplined programme to also help students develop as young adults. Areas to be developed include:

Self confidence - Communication skills

Self pride - Teamwork and leadership.

Personal fitness

Topics taught will include:

Roles, responsibilities and career paths of each service - Fitness and leadership activities

Rank structures - Time management

Services history and core values - First aid

Basic drill and personal presentation - Being a New Zealand citizen compared to the cultural differences in the wider world.

Students will need to go on field trips to visit places of work. This will involve day trips and may involve overnight stays, all planned to integrate the standards being taught.

**Teacher in Charge:** Mr W Lather

**Contributions and Equipment/Stationery:** It is recommended that students pay for costs of approximately \$150 which are required to visit the various camps, bases and stations of the different services.

**Recommended Prior Learning:**

Physically and mentally prepared to accept the challenges presented throughout the year.

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## **13CIV – Civic Studies**

This course focuses on how people function within society and will encourage students to perform as informed and knowledgeable young adults. It will focus on civic related competencies such as employment law, voting, taxation, insurance, banking products, renting properties and budgeting for example. Topics may vary according to student interest.

The course is fully internally assessed.

**Teacher in Charge:** Mrs K Grant

### **Recommended Prior Learning:**

Students should have a complete NCEA L2 as all material used in this course is L3.

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## **13LTW – Licence to Work**

The Licence to Work programme helps young people gain the insight, confidence and skills to get work, keep work and create careers. It involves learning about the seven employability skills and includes voluntary work and work experience. It also covers life skills like CVs, job interviews, budgeting, going flatting, buying a house, employment contracts, apprenticeships, kiwisaver, etc.

**Teacher in Charge:** Mrs G Wilkie