



YEAR 12 2021  
COURSE BOOKLET

TAUPO-NUI-A-TIA COLLEGE

ESTABLISHED  
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# 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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## 12DES - NCEA Level 2 Visual Arts Design

**Recommended Cost \$40**

Design students will learn to solve clearly defined design problems. They will develop an awareness of existing Art and Design practice and apply it to solutions shown in drawings, notes, models and finished work.

Students will produce work, presented in a folio, and assignments on a range of themes. The course is assessed through achievement standards that cover the curriculum with total credits of 20.

**Teacher in Charge:** Mr G Lindsay

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

### **Recommended Prior Learning:**

Minimum 12 credits in Level 1 visual arts.

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## 12DRA - NCEA Level 2 Drama

**Recommended Cost \$50**

The Level 2 course builds on the skills learned in Year 11 and deepens students' understanding and experience of drama. They continue with the study and application of dramatic techniques, elements and conventions including Shakespearean Theatre features and take part in the public Level 2 performance assessment evening.

This course enhances individual confidence, communication and organisational skills, time management and people management skills.

### Field Trips:

At least one theatre visit.

Professional workshops.

Drama Camp (prior to the public performance)

**Teacher in Charge:** Ms V Gowdy

**Contributions and Equipment/Stationery:** It is recommended students pay the subject charge \$50. This covers the cost of theatre tickets and costume hire for performance assessments. Some obligatory rehearsal time will need to take place outside of school hours (for standard 91218). NCEA Level 1 performance standard 90019 required or by audition.

**Recommended Prior Learning:**

NCEA Level 1 drama, 12 credits or by consultation with teacher in charge.

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**12MUS - NCEA Level 2 Music****Recommended Cost \$15**

This course builds on the skills of performance and composition developed to a competent level from Level 1. Instrumentation and score reading, will be developed to a competent level. Students will be encouraged to perform at organised events such as the New Zealand Chamber Music Festival or the Rock Quest Competition.

Learning and assessment activities are based around the four strands from the Arts Curriculum document:

Developing practical knowledge in music (theory, 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).

Music technology is offered across 3 standards, which build on one another. An electronics standard where students create a guitar pedal is new at this level and encourages students to apply different forms of knowledge in a music context. Another new standard is the psychology of addiction and how it pertains to musicians in a performance context.

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. Each year a course is designed to allow all students in the class to access at least 14 credits and a subject endorsement through one external paper.

**Teacher in Charge:** Mrs L Wigram

**Contributions and Equipment/Stationery:** Ring Binder, A4 Refill (14B8), 14M5 refill (A4 manuscript paper) 2B pencil, workbook (handed out in class \$15), own headphones (optional but recommended). Drummer – drumsticks. Guitar – guitar pic/capo/tuner.

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). Extra charges may apply in some cases. It is recommended that lessons be on an individual basis. Students must be prepared to take part in performance opportunities.

**Recommended Prior Learning:**

The minimum of 14 credits across performance and composition, or auditions may be required for confirmation of entry requirements. Music literacy credits are required from Level 1 for some Level 2 standards. We encourage students to take 20 credits that work toward extending their strengths and building new pathways.

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## **12PAI - NCEA Level 2 Visual Arts Painting**

**Recommended Cost \$100**

Painting students will develop good drawing skills in a variety of painting and drawing media using established artist practices and procedures. Students will produce work, presented in a portfolio, and assignments on a number of themes.

**Teacher in Charge:** Mr G Lindsay

**Contributions and Equipment/Stationery:** A3 Art Diary, 2B, 4B, 6B Graphite, paintbrushes, eraser, drawing Ink pens. It is recommended students pay the subject charge of \$100. This covers the cost of basic take home art materials used in the course. Students are expected to supply their own paint brushes for portfolio and assessment work.

### **Recommended Prior Learning:**

Minimum 12 credits at Level 1 visual arts.

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## **12PHO - NCEA Level 2 Visual Arts Photography**

**Recommended Cost \$40**

Photography students will gain good knowledge of digital photographic and Photoshop procedures. They will develop knowledge and understanding of existing photographic practice. Students will produce work, presented in a portfolio and assignments on a number of themes.

**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 used in the course. and a yearly licence fee for Photoshop. Photoshop would be installed on a personal computer. Students will be expected to pay for their own printing costs.

Please Note – A digital SLR camera is essential.

### **Recommended Prior Learning:**

Minimum 12 credits at Level 1 visual arts, or in consultation with the teacher in charge.

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# 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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## **12EN1 - NCEA Level 2 English 1 Academic course**

This course is intended for capable and passionate students who have strong literacy skills in English, wishing to continue their studies in Level 3. The purpose of the learning is to continue to build their critical thinking skills and their ability to analyse rich and challenging texts. Students will become creative and effective communicators. This is suitable for students who need to fulfil the University Entrance literacy requirements. (5 reading and 5 writing credits).

**Teacher in Charge:** Mrs P Holmes

**Contributions and Equipment/Stationery:** Ring binder, 14B8, subject dividers

**Recommended Prior Learning:**

For Year 12 students who have achieved at least 14 English credits at Level 1 with a Merit or Excellence Endorsement.

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## **12EN2 - NCEA Level 2 English 2**

This course is intended for students who may have a focus towards mathematics, science or other subjects, but are required to fulfil the literacy criteria of 5 reading and 5 writing credits for entry to university. The course is designed for students to develop their ability to make relevance of their contexts for learning.

**Teacher in Charge:** Mrs M Heaslip

**Contributions and Equipment/Stationery:** Ring binder, 14B8, subject dividers

**Recommended Prior Learning:**

For Year 12 students who have achieved at least 12 - 14 English credits at Level 1 (includes 1 externally assessed standard).

## **12EN3 - NCEA Level 2 English 3 For the Workplace**

This is a course that provides an opportunity for students to further develop their reading, writing and communication skills that will be required in the workplace. The purpose of the learning is to allow students the access to appropriate skills required for the workplace.

Note: This course does not lead into Level 3.

**Teacher in Charge:** Mrs M Heaslip

**Contributions and Equipment/Stationery:** Ring binder, 14B8, subject dividers

**Recommended Prior Learning:**

For Year 12 students who have Level 1 Literacy (and up to 7 credits in Level 1 English) or in consultation with the Head of Faculty, English.

# 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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## **12SAR - NCEA Level 2 Sports and Recreation    Recommended Cost \$200**

This course is 100% internally assessed and made up of both theory and practical components. The course builds on the basic concepts covered in Level 1 and begins to develop leadership confidence within a practical setting.

**Teacher in Charge:** Mr W Lather

**Contributions and Equipment/Stationery:** It is recommended that students purchase the student workbook \$10.

### **Recommended Prior Learning:**

Be recommended by your Year 11 Physical Education teacher. If you have not taken this subject at Year 11, then entry is at the discretion of the Head of Faculty.

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## **12HEA - NCEA Level 2 Health**

This Year 12 course is a full achievement standard course which offers three internal achievement standards and one external achievement standard.

This course caters for students who have a genuine interest in caring for their wellbeing and the wellbeing of others. The programme will allow students to examine and think critically about health issues at a personal, interpersonal and societal level. Students will be able to explore stereotypes and media images relating to health issues and develop critical thinking and social action to minimise harm to self and others.

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

**Contributions and Equipment/Stationery:** Students will have the opportunity to purchase a Level 2 Health workbook. Or students can work on a device or a book.

**Recommended Prior Learning:** At least 10 credits gained at Level 1 health or with recommendation from the Head of Faculty.

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## **12PED - NCEA Level 2 Physical Education      Recommended Cost \$100**

This course is 100% internally assessed and made up of both theory and practical components. The course builds on the basic concepts covered in Level 1 such as functional anatomy, motor skills, bio-mechanics and principles and methods of training. It also includes mountain biking or turbo touch as part of the performance standard and leadership strategies developed through working with a group of students and going on camp in term one. Students will be assessed through achievement standards.

**Teacher in Charge:** Mrs B Clarke

**Contributions and Equipment/Stationery:** It is recommended that students purchase the student workbook \$10. Extra costs include: Transport costs for activities; leadership camp (approximately \$100). Laptop/Tablet

### **Recommended Prior Learning:**

Be recommended by your Year 11 Physical Education teacher. If you have not taken this subject at Year 11, then entry at the discretion of the Head of Faculty.

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## **12ODE - NCEA Level 2 Outdoor Education**

**Recommended Cost \$40**

The outdoor education programme caters for students with a genuine interest in the outdoors. The programme will introduce students to leadership, as well as outdoor recreational activities. A range of sporting activities and outdoor pursuits will include rock climbing, kayaking, mountain biking, tramping and team sports.

Students will complete a variety of the standards listed, dependent on their placement into an outdoor education programme. Students are expected to go on all field trips throughout the year which are designed to incorporate relevant unit standards. This will involve day and overnight trips.

This is not an approved UE subject.

**Contributions and Equipment/Stationery:** Outdoor education charges will be supported by STAR funding but costs of approximately \$340 for rock climbing, kayaking, tramping, mountain biking and skiing/snowboarding. 1B5 and pens

### **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 11 Sport and Outdoor Education or Year 11 Physical Education, or at the discretion of the 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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## 12JAP - NCEA Level 2 Japanese

**Recommended Cost \$40**

Year 12 is an integrated curriculum which provides a progressive development of language skills and cultural knowledge attained in Levels 1 to 7 of the languages curriculum (Years 9 to 12). Students will be encouraged to consolidate, extend and become more diverse in all four language skills, as well as deepening and extending 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. Through the study of four topics, students will master the reading and writing of another 100 basic kanji and grammar points. Possibly Japanese language study camp and ALC Certificate Level 2 and enter the Education Prefect competitions.

Standard AS 91134 is optional.

**Teacher in Charge:** Ms R Ireland

**Contributions and Equipment/Stationery:** It is recommended that students purchase NCEA Japanese Level 2 student handbook at approximately \$20. Hardback exercise book (2B5) - from Year 11, 2 graph book (1E8), ring binder & subject dividers

### **Recommended Prior Learning:**

Year 11 Japanese with at least 9 Credits in NCEA Level 1.

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## **12FRE - NCEA Level 2 French**

**Recommended Cost \$20**

In accordance with the languages curriculum the content for the senior school (Years 12) 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. The vocabulary and structures are those of level 7 of the curriculum.

**Teacher in Charge:** Mrs C Feuillade

**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.  
2 Exercise Books (1B8)

**Recommended Prior Learning:**  
NCEA Level 1, 12 credits in French.

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## **12MAO - NCEA Level 2 Te Reo Māori me ngā Tikanga Māori**

**Recommended Cost \$20**

The course aims to cultivate Wairua Māori and increase student enjoyment in using Te Reo Māori. Students will also develop a sensitivity and respect for Te Ao Māori and Tikanga Māori. Students are expected to research and be able to express, expound and justify their thoughts on Te Ao Māori and Tikanga Māori kaupapa. Field Trips: Manu Kōrero speech competitions (regional and national). 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 onto the Education Perfect Website for online vocabulary.

**Recommended Prior Learning:**  
It is preferable that students have achieved some NCEA Level 1 Te Reo Māori credits.

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## **12MPA - NCEA Level 2 Maori Performing Arts**

**Recommended Cost \$20**

The Year 12 course expands and extends the knowledge and ability of Māori performing arts and includes Mooteatea, Waiata-ā-ringā, Haka and Whakaraka (hand games). Students will be required to perform in some assessments. It is strongly recommended that students are members of the college kapa haka group to enhance their performance ability.

One cultural visit to Toi-Ohomai.

**Teacher in Charge:** Mr G Rameka

**Contributions and Equipment/Stationery:** It is recommended students pay approximately \$20 fee for one wānanga (overnight stay on school marae) per term.

# 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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## 12MAE - NCEA Level 2 Mathematics for Engineering

**Recommended Cost \$18**

This course is intended for able students who wish to pursue a degree course which includes mathematics. As the course covers an introduction to calculus, a strong interest and previous success in algebra assessments is a requirement.

**Teacher in Charge:** Mr S Petersen

**Contributions and Equipment/Stationery:** It is recommended that students purchase a Casio FX 9750G Plus Graphics Calculator (approximately \$115), and the Nulake Level 2 Mathematics external workbook (approximately \$18). Maths exercise books (1J5), ruler, Casio graphical calculator from school

### **Recommended Prior Learning:**

Students must have gained 14 Level 1 credits from achievement standards including merit grades in AS91027 and AS91028.

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## 12MAN - NCEA Level 2 Mathematics for Numeracy

This course is designed for students who wish to continue mathematics at Level 2 but no further. The topics in this course are of a more practical and applicable nature and less literacy based.

**Teacher in Charge:** Mr R Thompson

**Contributions and Equipment/Stationery:** It is recommended that students purchase a Casio FX82 scientific calculator.

### **Recommended Prior Learning:**

Recommendation from Year 11 mathematics teacher and/or Head of Faculty and at least 12 Level 1 credits from achievement standards. 11MA3/4 students may not be academically prepared for the material covered in this course and will need to be recommended by the TIC of this course.

## **12MAS - NCEA Level 2 Mathematics for Social and Health Sciences**

**Recommended Cost \$12**

This course provides a pathway towards Statistics and is designed to give students a grounding in statistics, while also containing the more accessible numerical work at Level 2. It is ideal for those students studying other Level 2 courses which contain an element of mathematics and those heading for Level 3 statistics.

**Teacher in Charge:** Mr S Petersen

**Contributions and Equipment/Stationery:** It is recommended that students purchase a Casio FX 9750G Plus Graphics Calculator for Achievement standard 91267. The purchase of homework booklets at approximately \$12 is recommended. Maths exercise books (1J5), ruler, Casio graphical calculator from school

**Recommended Prior Learning:**

At least 14 credits from Level 1 mathematics achievement standards and teacher recommendation.

# 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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## 12BIO - NCEA Level 2 Biology

**Recommended Cost \$20**

Level 2 NCEA biology course aimed at students who wish to study biology in greater depth and develop the skills which will be used in further study. This course covers plants and ecology, cell processes, genetics and evolution.

**Teacher in Charge:** Mrs L Brown

**Contributions and Equipment/Stationery:** It is recommended students purchase a course book at approximately \$20. 1B8 exercise book punched or computer, ring binder, pencil, 30cm ruler, blue & black pens, highlighter

### **Recommended Prior Learning:**

A minimum of 12 science and/or agriculture credits, including one external standard at the achieved level, PLUS be enrolled for either 12MA1 or 12MA2 AND either 12EN1 or 12EN2.

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## 12CHE - NCEA Level 2 Chemistry

**Recommended Cost \$30**

A chemist's answer to the question "What is Chemistry?" could easily be, "What in the world isn't Chemistry?" Chemistry involves a study of everything about us, from the air we breathe and the food we eat, to the chemistry of a comet, the planets, and beyond. Chemistry involves the study of the structure and nature of substances, how they behave chemically, and the synthesis of new substances; in short, taking things apart and putting them together.

Knowledge of chemistry is an essential prerequisite for many science-based careers, e.g. engineering, medicine, pharmacy, physiotherapy, dentistry, consumer science and other scientific university courses. It may also be useful for some polytechnic courses. Chemistry is a subject that helps students to develop their own powers of scientific reasoning and understanding, whatever career they decide upon.

**Teacher in Charge:** Mr M Bound

**Contributions and Equipment/Stationery:** It is recommended that students purchase a write-on manual at approximately \$30.00. 1B8 punched, ring binder, scientific calculator, pencil, 30cm ruler, blue & black pens, highlighter

These may be discussed and planned throughout the year as appropriate.

**Recommended Prior Learning:**

A minimum of 12 science and/or agriculture credits, including one external standard at the achieved level, plus be enrolled for either 12MA1 or 12MA2 and either 12EN1 or 12EN2.

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## **12PHY - NCEA Level 2 Physics**

**Recommended Cost \$20**

This is a general Level 2 NCEA physics course for students intending to work or study in a physics-related field such as engineering, architecture, games design, radiotherapy, medicine, military training.

Students study

- mechanics – linear and circular motion, forces, energy, torque
- waves – lenses and mirrors, sound and light, the electromagnetic spectrum, reflection, refraction.
- modern Physics - Atomic and Nuclear Physics
- physics in context
- practical investigation

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, ring binder, 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. Field Trips: These may be discussed and planned throughout the year as appropriate.

**Recommended Prior Learning:**

A minimum of 12 science and/or agriculture credits, including one external standard at the achieved level. Be enrolled for either 12MA1 or 12MA2 and either 12EN1 or 12EN2. Students may be required to complete a science department algebra, trigonometry and Pythagoras theorem assessment to a satisfactory level.

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## **12GSC - NCEA Level 2 Science**

**Recommended Cost \$30**

General science is for students who wish to continue the study of science without the specialization into Biology, Chemistry or Physics. It covers many strands of the science curriculum through a range of topics. Each topic will be assessed using a variety of tasks. Links to projects in the local community will be developed so students can be doing science in the local environment.

**Teacher in Charge:** Mrs L Brown

**Contributions and Equipment/Stationery:** 1B8 exercise book or computer, pencil, 30cm ruler, blue & black pens, highlighter. Field trips may be part of the course.

**Recommended Prior Learning:**

Students should gain 8x credits from level 1 science from either internal or external assessments.

# 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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## 12ACC - NCEA Level 2 Accounting

**Recommended Cost \$25**

Students with an interest in owning or managing a business or interested in studying business or commerce at a higher level would be advised to take Level 2 Accounting. Topics include:

The purpose and conceptual basis of accounting; the systems used to process financial transactions – manual and computer.

The preparation, presentation, analysis and interpretation of financial statements.

While it builds and expands on the Level 1 course and provides an excellent preparation to Level 3 Accounting, capable students willing to put in a lot of work will be able to pick up this course.

**Teacher in Charge:** Mr T Tinworth

**Contributions and Equipment/Stationery:** It is recommended that students buy accounting workbooks at approximately \$25 total. Ring Binder and A4 Refill (14B8), or exercise book 1J5

### **Recommended Prior Learning:**

14 or more credits at Level 1 accounting or in consultation with the teacher in charge of accounting.

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## 12CLA - NCEA Level 2 Classical Studies

Level 2 Classical Studies focuses on topics within three areas of the classical Greek world; literature, art and history. The study of Greek mythology is an integral part of the course. Topics will be chosen from the following:

- Homer's Odyssey or the Iliad
- A selection of Greek/Roman art and architecture
- Athenian democracy or Athenian social life or Spartan social life
- Research (2 papers) – this component is internally assessed and is worth 10 credits.

**Teacher in Charge:** Mrs R Forrest

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

### **Recommended Prior Learning**

16 credits in Social Sciences, or in consultation with teacher in charge.

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## 12ECO - NCEA Level 2 Economics

**Recommended Cost \$25**

This course covers major economic issues that affect all of us, inflation, international trade, and economic growth. You will be able to understand and measure these issues as well as understand their cause and possible effects. You will also become aware of Government policies designed to address these issues.

It is a very informative and topical course, which provides you the opportunity to better understand the nature of the New Zealand economy. Economics complements learning in other subjects and this course provides a good background of understanding for study at a higher level.

**Teacher in Charge:** Mr T Tinworth

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

### **Recommended Prior Learning:**

14 or more credits in NCEA Level 1 economics, or in consultation with the teacher in charge of economics.

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## 12EST - NCEA Level 2 Enterprise Studies

**Recommended Cost \$55**

Enterprise studies is a learning experience in which you will form a company; become a director and develop products and services, which you then market and sell. Enterprise studies is skill based and teaches skills in budgeting, planning, interpersonal relations, decision making, reporting, communications, risk management and teamwork. Enterprise studies students will:

- Learn how to run a business
- Learn the value of being enterprising
- Add value to school-based knowledge
- Develop a 'can do' attitude
- Learn to take and manage risks

**Teacher in Charge:** Ms G Sangster

**Contributions and Equipment/Stationery:** 2x 60 pocket clear files, manila folder. It is recommended that students pay the follow Course Costs:

Registration per student for Young Enterprise \$35.

E-day in Rotorua in February/March, approximately \$20.

Travel to regional and national awards ceremonies if applicable (cost to be advised – this was sponsored in 2019).

**Recommended Prior Learning:**

NCEA Level 1 (including numeracy and literacy).

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## **12GEO - NCEA Level 2 Geography**

**Recommended Cost \$120**

Geography at this level covers a range of physical and human geography topics. It is designed to increase students' geographic knowledge, ideas and develop more complex skills. However, the course is sufficiently flexible to enable students to study geography for the first time at this level. It provides an interesting broad base for any future studies in social sciences, environmental studies and earth sciences.

This course includes two external standards and at least three internal standards. The topics include investigating the natural and cultural aspects of the Amazon Rainforest, researching a geographic topic such as changes in vegetation in the Tongariro National Park (requiring a field trip), investigating a NZ issue such as overcrowding of environments due to tourism, and studying a global pattern.

**Teacher in Charge:** Mrs J Grey

**Contributions and Equipment/Stationery:** Field work is a compulsory for standard 91244. This will involve costs which may include an overnight stay. Costs could be approximately \$120. It is recommended that students purchase the TNT workbooks for external achievement standards at approximately \$10. 1x PVC ring binder (A4/2/38), A4 Refill (14B8), cardboard subject dividers x5, coloured pencils, ruler, highlighters. Access to a laptop could be useful when completing the internal assessments.

**Recommended Prior Learning:**

Either 12 credits Level 1 Geography, or 12 credits Level 1 English which must be a combination of internal and external achievement standards or by negotiation with the teacher in charge of Geography. Some credits in Level 1 Mathematics are also desirable.

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## **12HIS - NCEA Level 2 History**

Level 2 History focuses on some of the major events of the 19th century which have shaped the 20th century and which will continue to influence the 21st century. There are three main sections to the course:

### **1. International Relations**

A study of the origins and causes of the World War, from military alliances to the arms race, and international crises to assassinations. The impact of this event is still being felt today and has influenced the geopolitical decisions on every continent.

## 2. Government and Political Change

The Russian Revolution which saw the bloody overthrow of the royal family and its replacement by a radical group of communist revolutionaries. A revolution that has influenced and inspired those wanting greater equality and which helped reshape the political landscape of the world.

## 3. Imperialism and the Emergence of New Nations

Vietnam and the conflict in Indo-China 1945 – 1975 which saw the determined effort of the people of Vietnam to overthrow the imperialistic superpowers of France and the United States and gain their freedom and independence – an issue that still faces many countries today.

## 4. Research topics

This component is internally assessed and comprises 9 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:**

16 credits in a Social Science subject, or English, in consultation with teacher in charge.

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## **12TOU - NCEA Level 2 Tourism**

Students will study an introductory approach to tourism. Emphasis is on the New Zealand:

Tourist locations: social, cultural and physical impacts  
Tourism industry: types, styles  
Characteristics of the tourist

**Teacher in Charge:** Mrs Y Orr

**Contributions and Equipment/Stationery:** Highlighters, glue stick, ruler. Some fieldwork may be undertaken and this will involve some cost to students. This course is supported by STAR funding.

### **Recommended Prior Learning:**

At least 9 literacy credits in achievement standards or unit standards in Year 11 English or Social Science subject.

# 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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## 12EG - NCEA Level 2 Engineering

**Recommended Cost \$95**

Students who take this course will complete a full year in the workshop environment. Within the year they will undertake a minimum of 2 engineering projects, one of which is classed as their major project. Undertaking the major project requires the students to research and design a product (BBQ or similar) and to then plan and produce their design as a working prototype/product. Students participating in this course will gain credits in Unit Standards through Competenz (New Zealand Engineering Food & Manufacturing Industry Training Organisation). Safety standards are an integral part of this course as is the undertaking of a welding standard. The manufacturing of engineering products will require students to work from specific plans and within given tolerances. Design and making techniques are taught and developed to manipulate materials in the production of the students' selected major project which might be items such as a portable BBQ.

This course caters for students interested in a future in the engineering and automotive industry. Students will earn nationally recognised engineering and automotive unit standards, while developing a range of creative and practical skills.

**Teacher in Charge:** Mr P Kemsley Smith

**Contributions and Equipment/Stationery:** Display book. Special charges will be supported by STAR funding. It is recommended students pay the subject charge \$95, to cover the cost of the take home materials used in the course.

**Recommended Prior Learning:**  
NCEA Level 1 Technology Engineering.

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## 12FN - NCEA Level 2 Food Technology

Students study topics such as nutritional issues for specific food needs, the connection between wellbeing, food choices and health, evaluating food sustainability as well as food processing technologies. While it is possible to tailor some of the contexts to student interests, topics which may be covered include: gluten intolerance, high performance sport, pasta meals, developing a prototype. Most of the internal standards have both theory and practical components for assessment.

**Teacher in Charge:** Mrs A Lamprecht

**Contributions and Equipment/Stationery:** Possible field trips during the year which will incur a charge for transport.

**Recommended Prior Learning:**

Students are expected to have studied this subject in Year 11 and passed with a minimum of all Achieved grades, or entry with teacher approval.

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## 12DT - NCEA Level 2 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

**Recommended Prior Learning:**

8 Credits NCEA Level 1 Digital Technologies.

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## 12DVC - NCEA Level 2 Design and Visual Communication

**Recommended Cost \$35**

This course is intended for students interested in design as a means to develop their own visual communication skills or as an intended career pathway. The course is a progression from Level 1 and extends student learning through the introduction of different media design and communication skills. Students will further develop their skill in computer aided design (CAD) and image enhancement technologies. Learning will be directed at three main areas throughout the year:

- Visual Communication and Design

- Spatial Design (Environmental/Architectural)
- Product Design (Engineering, Robotics)

The course is a full achievement standards course with students assessed using four achievement standards one of which will be chosen depending on student interest. (Architecture or Product Design). Additionally, one unit standard is available for students with a specific interest in computer aided design.

**Teacher in Charge:** Mr R Forrest

**Contributions and Equipment/Stationery:** A3 visual diary, 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.

Optional standards are available. 91341, 91342, 2433

**Recommended Prior Learning:**

It is preferable that a student has taken this subject in Year 11

## **12HOS - NCEA Level 2 Hospitality**

**Recommended Cost \$130**

This course is intended for students who wish to pursue a career in the food industry. The course consists of industry based unit standards from Service IQ.

Students will learn basic cooking techniques that will provide them with experience to enter a Polytechnic and gain further qualifications or skills to gain entry level jobs in the local hospitality industry.

This is a creative and interesting course that allows students of all abilities to learn useful skills that are in high demand in the work force. Students will be able to trial these skills through work experience in the local community.

**Teacher in Charge:** Mr P Kemsley-Smith

**Contributions and Equipment/Stationery:** 4x highlighters, 1x 1B5

It is recommended students pay the Subject charge \$130 (Subject charge is supported by STAR funding, covering the cost of the workbooks and some of the food used by students.). This covers the cost of all food and special resources used in the course throughout the year not covered by STAR support funding. This must be paid within the first term.

**Recommended Prior Learning:**

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

## **12RMW - NCEA Level 2 Resistant Materials Wood**

**Recommended Cost \$95**

In this course students will design and manufacture a variety of projects that relate to all areas of hard materials such as wood, metal, plastic and other hard materials. The course will provide opportunities for students to develop practical and creative design and hands-on skills whilst dealing with clients.

**Teacher in Charge:** Mr J Thiele

**Contributions and Equipment/Stationery:** 40 page A4 clear files, A4 refill (14B8), A4 unlined refill (14A5). It is recommended students pay the subject charge of \$95 which covers the cost of all the take home materials used in the course.

**Recommended Prior Learning:**

Year 10 and Year 11 technology are an advantage.

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## **12TM - NCEA Level 2 Textiles**

**Recommended Cost \$80**

Students are given the opportunity to follow their own passion projects in order to create a textiles based item for an end user or purpose. A full academic load of Technology Achievement Standards are offered. As in Year 11, students are encouraged to work towards a minimum of 16 technology achievement standard credits with the opportunity to gain up to 30 credits for the most dedicated and passionate learners. Students have an option of working on one or two major projects depending on their own personal goals. They will apply the technological design process for these projects. This course will be helpful to prepare students for a future in the field of fashion and is part of a pathway to university approved credits at Year 13.

**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:**

It is an advantage to have studied this subject in Year 11 and passed with a minimum of 12 credits, or entry with teacher approval.

# Vocational Pathways

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## 12FSK - NCEA Level 2 Farming Skills

**Recommended Cost \$35**

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

**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. Ring binder, blue & black pens, highlighter, A4 lined refill

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## 12DRI - NCEA Level 2 Driving

The course consists of a number of unit standards that students will work through in the classroom situation. On a regular rotation each student will participate in up to five practical driving lessons with a qualified driving instructor. On occasions there may be group driving skill events. As part of the course students will have the opportunity to participate in the RYDA program (a free practical day) during Term 2.

It is recommended that every student either already has or is willing to sit their learner's licence in order to take advantage of all opportunities that this course offers.

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

**Contributions and Equipment/Stationery:** Students need to be able to take practical driving lessons during class time. The use of a suitable vehicle and fees are covered by the course. The student will need to cover their own licence fees (Learners/Restricted and Full).

### **Recommended Prior Learning:**

At least obtained a Learners drivers licence.

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## 12SP - NCEA Level 2 Service Preparation

This course is to introduce 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 confidence, pride, personal fitness, communication skills, teamwork and leadership. 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.

**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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## 12EMS – Employment Skills

Employment Skills provides students with skills that are valuable in the workplace. Students build their confidence through practicing these skills in the classroom and by possible invitation to participate in the Gateway programme, in order to develop vocational pathways.

Other unit standards may be included as appropriate to the individual learner and their future career path.

This course offers another pathway to gaining NCEA Level 1.

**Teacher in Charge:** Mrs A Fox

**Contributions and Equipment/Stationery:** 1 x coloured document wallet

**Recommended Prior Learning:**

Dean or Teacher in charge recommendation.

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## 12EST - NCEA Level 2 Enterprise Studies

**Recommended Cost \$35**

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

**Teacher in Charge:** Miss G Sangster

**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 1 (including numeracy and literacy).

**Entry is by interview with the Dean**

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## **12STPR – Trades Academy**

Courses are one day a week and run in conjunction with one of the following Tertiary providers – Toi Ohomai, Yoobee, Te Wananga Aotearoa.

### **Construction & Infrastructure Courses**

Are you... practical, detailed, analytical, hands on, out-doorsy, adventurous, creative? This exciting and varied sector is for you if you like to learn by doing. There's a huge amount of construction and infrastructure work to be done in New Zealand over the next decade including broadband roll-outs, national road building, energy, water/wastewater and house building. Be a part of building New Zealand from the ground up!

**Building & Construction - Level 2 – 30 credits**

### **Manufacturing & Technology Courses**

Are you... practical, inventive, logical, a problem solver, analytical, hands-on, tech savvy, detailed? There's an amazing mix of jobs across this sector to suit everyone. From hands-on production and assembly to cutting-edge research, from massive machines and busy production lines to individual crafts or computer design and more! This sector covers a range of working styles and options; with skill shortages across the sector. Begin your NZ certification or apprenticeship while still at school.

**Go Kart - Level 2 – 24 credits**

**Engineering – Level 2 – 25 credits**

**Automotive Engineering - Level 2 – 25 credits**

## **Primary Industries Courses**

Are you... an animal lover, outdoorsy, green fingered, environmentally aware, adventurous, sustainable, practical, driven? Does the thought of being stuck in an office scare the life out of you? Do you like the thought of helping our planet or working on the land? There's a broad range of jobs in this sector, from hands-on farm work to environmental science. You could work in some of the most stunning landscapes in the world, planting, growing, or tending animals, trees and crops.

**Farming & Agriculture - Level 2 - 23 credits**

**Wood Manufacturing - Level 2 – 20 credits**

**Forestry Industry - Level 2 – 23 credits**

**Pest Operations - Level 2/3 – 18 credits**

## **Services Industries Courses**

Are you... fun, a people person, entrepreneurial, sporty, adventurous, health conscious, independent, a foodie? Services industries makes up two thirds of New Zealand's workforce including transport, tourism, communications, trade, hospitality to name a few. If you like working with people, then you'll be pleased to know there are growing demands for more educated and skilled young people just like you in jobs as diverse as hairdressing, culinary arts and personal training

**Hair, Beauty & Retail - Level 2 – 15 credits**

**Hospitality - Level 2 - 19 credits**

## **Social, Health & Community Services Courses**

Are you... a people person, mentoring, sharing, educating, community minded, nurturing and caring? Do you have the drive to help others? Then a career in the social and community services could be for you. From nurses and other health care professionals to police and armed services, educators, ECE and therapists, this sector is a big employer in New Zealand and is essential for maintaining the well-being, education and safety of people both here in New Zealand and around the world.

**Exercise & Sports - Level 2 – 28 credits**

**Contributions and Equipment/Stationery:** Students will be out of class one day each week and are taught the practical requirements by Toi Ohomai Institute of Technology.

### **Recommended Prior Learning:**

Entry is by interview with Dean.