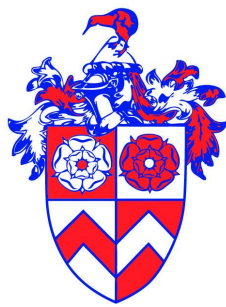


# Rosehill College



## **Pārongo Akomanga Pākeke NCEA Course Information**

*with additional information about New Zealand  
Scholarship and other qualifications*

# 2024

# 2024 ALPHABETICAL SUBJECT INDEX

Information about the courses can be found on the following pages

| Subject                                 | Code | Level 2            | Level 3            | Scholarship |
|---|------|--------------------|--------------------|-------------|
| Accounting                              | ACC  | <a href="#">30</a> | -                  | Yes         |
| Art Design                              | ARD  | <a href="#">23</a> | <a href="#">25</a> | Yes         |
| Art History                             | ARH  | <a href="#">23</a> | <a href="#">26</a> | Yes         |
| Automotive and Engineering              | AEN  | <a href="#">62</a> | <a href="#">66</a> |             |
| Biology                                 | BIO  | <a href="#">57</a> | <a href="#">58</a> | Yes         |
| Business Studies                        | BUS  | <a href="#">30</a> | <a href="#">32</a> |             |
| Chemistry                               | CHE  | <a href="#">57</a> | <a href="#">59</a> | Yes         |
| Chinese                                 | CHI  | <a href="#">44</a> | <a href="#">45</a> | Yes         |
| Classical Studies                       | CLS  | <a href="#">38</a> | <a href="#">40</a> | Yes         |
| Dance                                   | DAN  | <a href="#">18</a> | <a href="#">19</a> | Yes         |
| Design and Visual Communication         | DVC  | <a href="#">62</a> | <a href="#">66</a> | Yes         |
| Digital Technologies                    | DGT  | <a href="#">62</a> | <a href="#">67</a> |             |
| Drama                                   | DRA  | <a href="#">18</a> | <a href="#">20</a> | Yes         |
| Economics                               | ECO  | <a href="#">31</a> | -                  |             |
| Electronics                             | ELN  | <a href="#">58</a> | <a href="#">59</a> |             |
| English - with Externals                | ENG  | <a href="#">34</a> | <a href="#">35</a> | Yes         |
| English - Internal                      | ENI  | <a href="#">34</a> | <a href="#">35</a> |             |
| English for Speakers of Other Languages | ESL  | <a href="#">36</a> | <a href="#">36</a> |             |
| English for University Entrance (ESOL)  | EUE  | <a href="#">36</a> | <a href="#">36</a> |             |
| Entertainment and Events Technology     | EET  | <a href="#">19</a> | <a href="#">20</a> |             |
| Fabrics Technology                      | FAB  | <a href="#">63</a> | <a href="#">67</a> | Yes         |
| Financial Literacy                      | FIN  | <a href="#">31</a> | <a href="#">32</a> |             |
| Food and Nutrition                      | FDN  | <a href="#">63</a> | -                  |             |
| Food Technology                         | TEF  | <a href="#">64</a> | <a href="#">68</a> | Yes         |
| Geography                               | GEO  | <a href="#">38</a> | <a href="#">41</a> | Yes         |
| Health                                  | HEA  | <a href="#">52</a> | <a href="#">54</a> |             |
| History                                 | HIS  | <a href="#">39</a> | <a href="#">41</a> | Yes         |
| Hospitality                             | HOS  | <a href="#">64</a> | <a href="#">68</a> |             |
| Information Management                  | IMT  | <a href="#">65</a> | <a href="#">68</a> |             |
| Life Skills                             | LSK  | <a href="#">47</a> |                    |             |
| Mathematics                             | MAT  | -                  | <a href="#">50</a> |             |
| Mathematics with Calculus               | MAC  | <a href="#">49</a> | <a href="#">49</a> | Yes         |
| Mathematics with Statistics             | MAS  | <a href="#">49</a> | <a href="#">50</a> | Yes         |
| Music                                   | MUS  | <a href="#">21</a> | <a href="#">22</a> | Yes         |
| Outdoor Education                       | PEO  | <a href="#">53</a> | <a href="#">55</a> |             |
| Painting                                | PAI  | <a href="#">24</a> | <a href="#">26</a> | Yes         |
| Photography                             | PHO  | <a href="#">24</a> | <a href="#">27</a> | Yes         |
| Physical Education                      | PED  | <a href="#">52</a> | <a href="#">54</a> | Yes         |
| Physics                                 | PHY  | <a href="#">58</a> | <a href="#">59</a> | Yes         |
| Police Studies                          | PST  | -                  | <a href="#">55</a> |             |

|                         |     |                    |                    |     |
|-------------------------|-----|--------------------|--------------------|-----|
| Printmaking             | PTM | -                  | <a href="#">27</a> | Yes |
| Printmaking and Drawing | PDR | <a href="#">25</a> | -                  |     |
| Sculpture               | SCU | <a href="#">28</a> | <a href="#">28</a> | Yes |
| Social Studies          | SOC | <a href="#">39</a> | <a href="#">42</a> |     |
| Spanish                 | SPA | <a href="#">44</a> | <a href="#">45</a> | Yes |
| Sports Leadership       | PEL | <a href="#">53</a> | <a href="#">54</a> |     |
| Te Reo Māori            | MAO | <a href="#">46</a> | <a href="#">46</a> | Yes |
| Tourism A               | TOA | <a href="#">40</a> | -                  |     |
| Tourism B               | TOB | <a href="#">40</a> | -                  |     |
| Tourism                 | TOU | -                  | <a href="#">42</a> |     |
| Trade Skills            | TSK | <a href="#">65</a> | <a href="#">69</a> |     |
| Workshop Engineering    | WKE | <a href="#">66</a> | <a href="#">69</a> |     |

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# QUALIFICATIONS OFFERED AT ROSEHILL COLLEGE

## The National Certificate of Educational Achievement – NCEA

For a student to be awarded **NCEA Level 2** they must achieve:

- 60 credits at level 2 or above; plus
- 20 credits at any level, even if gained for another National Qualification
- NCEA literacy and numeracy before January of 2024 **OR** 20 credits from the new NCEA literacy and numeracy co-requisites

For a student to be awarded **NCEA Level 3**, they must achieve:

- 60 credits at level 3 or above; plus
- 20 credits at level 2 or above, even if gained for another National Qualification
- NCEA literacy and numeracy before January of 2024 **OR** 20 credits from the new NCEA literacy and numeracy co-requisites

### Achievement Standards

In many subjects, student achievement is assessed through **Achievement Standards**, which identify the national standards students must achieve. Some are internally assessed by subject teachers during the year and others are assessed by external examination at the end of the year. There are four possible grades students can be awarded: Not Achieved, Achieved, Merit or Excellence. Each Achievement Standard is typically worth about 3–5 credits and there are between 16 and 20 credits offered in most subjects.

### Unit Standards

In some subjects, student achievement is assessed through **Unit Standards**. Some subjects have a mix of both Achievement Standards and Unit Standards. There are only two possible grades for most Unit Standards that students can be awarded: Not Achieved or Achieved. The credit value of Unit Standards varies much more broadly and these are all internally assessed, or assessed by external providers (e.g. MIT).

### NCEA Results

In January, NZQA issues students with a results notice. It is available through the student's NZQA login, or a hard copy may be requested via their NZQA login. On it is recorded:

- The Achievement Standards and/or Unit Standards the student entered
- The credit value of each
- Whether they were internally or externally assessed
- The grade achieved (including if any standard was 'Not Achieved')
- The number of credits gained in each standard

As well as issuing the results notice and any certificates achieved, NZQA also provides students with a **Record of Achievement**. It lists all standards achieved, along with levels, credits and dates, as well as certificates gained. It also lists any Scholarships gained by a candidate.

### Level Endorsement

If **50 credits at Excellence** are gained, the NCEA Level qualification will be **Endorsed with Excellence**.

Likewise, if **50 credits at Merit** (or **Merit** and **Excellence**) are gained, the NCEA will be **Endorsed with Merit**.

### Subject Endorsement

If **14 credits at Excellence** with at least 3 credits in internally assessed standards and at least 3 credits in externally assessed standards a Subject can be **Endorsed with Excellence**.

Likewise, if **14 credits at Merit** (or **Merit** and **Excellence**) with at least 3 credits in internally assessed standards and at least 3 credits in externally assessed standards a Subject can be **Endorsed with Merit**.

Similarly, if **14 credits at Achieve** (or **Achieved**, **Merit** and **Excellence**) with at least 3 credits in internally assessed standards and at least 3 credits in externally assessed standards a Subject can be **Endorsed with Achieved**.

## Scholarship

Some Level 3 subjects have a [New Zealand Scholarship](#) which students can enter:

|                               |                    |                           |
|-------------------------------|--------------------|---------------------------|
| Accounting                    | Economics          | Technology                |
| Art History                   | English            | Visual Arts - Design      |
| Biology                       | Geography          | Visual Arts - Painting    |
| Calculus                      | History            | Visual Arts - Printmaking |
| Chemistry                     | Music              | Visual Arts - Photography |
| Chinese                       | Physical Education | Visual Arts - Sculpture   |
| Classical Studies             | Physics            |                           |
| Dance                         | Spanish            |                           |
| Design & Visual Communication | Statistics         |                           |
| Drama                         | Te Reo Māori       |                           |

To enter Scholarship, students use the Level 3 subject content but are expected to synthesise and integrate concepts. Scholarship candidates are expected to demonstrate high-level critical thinking, abstraction and generalisation, and to integrate, synthesise and apply knowledge, skills, understanding, and ideas to complex situations. The standard of achievement expected for Scholarship is very demanding.

Scholarships are assessed externally at the end of each school year. Each New Zealand Scholarship assessment carries two passing grades - Scholarship (S) and Outstanding Scholarship (O).

Scholarship does not attract credits or contribute towards a qualification. It is purely a monetary award designed to recognise the very top students in the country. The 2022 monetary awards were:

- Premier Awards: \$10,000 a year for three years for the top 5 – 10 students in New Zealand
- Outstanding Scholar Award: \$5,000 a year for three years awarded to 40 - 60 students
- Scholarship Award in 3 or more subjects: \$2,000 a year for three years
- Top Scholar in each Scholarship subject: \$2,000 a year for three years
- Single Subject Scholarship: a one off payment of \$500.00 per subject for candidates who are awarded 1 or 2 Scholarships

Where a candidate meets the criteria for more than one award, he or she will receive only the award of the highest monetary value in most circumstances.

## Extramural University Study

Year 13 students may enrol extramurally in one university paper through Massey University. The student must have an entrance qualification for that paper. Applications for Provisional Entrance must be made by December 15<sup>th</sup>. The school must endorse a student's application.

## MIT Trades Academy

A small number of Year 12 students will be invited to take part in the MIT Trades Academy. This means that students spend four days of the week at school and one day on the MIT campus. The following programmes were offered by MIT in 2023. If you are interested let your Head of House know, or see Mrs McConchie.

|  |  |
|--|--|
| Automotive Engineering                         | Hospitality                            |
| Building and Electrical                        | Information Technology As A Profession |
| Building and Plumbing                          | Logistics Level 2                      |
| Business Administration                        | Plumbing                               |
| Engineering and Computer Aided Design          | Primary Industries                     |
| Engineering and Refrigeration Air Conditioning | Tourism & Retail                       |
| Floristry                                      | Trades for Girls                       |
| Horticulture                                   | Masonry                                |

NOTE: More details about each programme can be found in the Trades Academy powerpoint. This will be available on [Career Central](#) as soon as we have 2024 information.

## University Entrance

University Entrance represents the minimum entrance to University and does not guarantee you a place.

Achievement of **NCEA Level 3**

**14 credits** in each of **three** subjects from the list of approved subjects

**UE numeracy – 10 credits** at Level 1 or above, usually from Mathematics Achievement Standards **or** three specific numeracy Unit Standards **or** front the **NCEA Numeracy** co-requisite standards

**UE literacy – 10 credits** (five in reading and five in writing) from

- specific Level 2 and above Achievement Standards, or specific Te Reo Māori and Te Reo Rangatira Level 2 and above standards, or
- two specific Level 4 English for Academic Purposes Unit Standards, or
- an academic literacy common assessment tool (CAT) at Level 3 (no credit value, run by NZQA).

You can see what subjects contribute to Reading (Read) and Writing (Write) in the subject tables.

Some courses are limited entry and have additional requirements – make sure you find out what these are!

Approved Subjects taught at Rosehill College

|   |  |
|---|--|
| <b>Accounting</b>                                   | <b>History</b>                         |
| <b>Biology</b>                                      | <b>History of Art (Art History)</b>    |
| <b>Business Studies</b>                             | <b>Mathematics</b>                     |
| <b>Classical Studies</b>                            | <b>Mathematics with Calculus</b>       |
| <b>Chemistry</b>                                    | <b>Mathematics with Statistics</b>     |
| <b>Computer Technology (Digital Technologies)</b>   | <b>Music</b>                           |
| <b>Dance</b>  | <b>Painting (Practical Art)</b>        |
| <b>Drama</b>  | <b>Photography (Practical Art)</b>     |
| <b>Design &amp; Visual Communication (Graphics)</b> | <b>Physical Education (PED or PEO)</b> |
| <b>Design (Practical Art)</b>                       | <b>Physics</b>                         |
| <b>Economics</b>                                    | <b>Printmaking (Practical Art)</b>     |
| <b>English</b>                                      | <b>Sculpture (Practical Art)</b>       |
| <b>*Fabric Technology</b>                           | <b>Spanish</b>                         |
| <b>*Food Technology</b>                             | <b>Social Studies</b>                  |
| <b>Geography</b>                                    | <b>Te Reo Māori</b>                    |
| <b>Health</b>                                       |  |

\* Students may need to undertake extension Achievement Standard/s in these courses for UE approval.

## University Courses with Limited Entry

Applicants for Limited Entry courses need to achieve the University Entrance **PLUS** additional requirements specified for the course. Several Universities rank students for entry on their 80 best credits in **APPROVED SUBJECTS**. Rank scores are calculated by awarding four points for Excellence, three for Merit and two for Achieved for up to 24 credits in each approved subject taken at Level 3 in the last two years. The maximum score is 320.

You can work out your expected rank score by going to <https://rankscorecalculator.auckland.ac.nz/>

University prospectus are available in the Careers Room or online - see the links below.

[University of Auckland Prospectus](#)

[AUT](#)

[The University of Waikato](#)

[Massey University](#)

[Victoria University of Wellington](#)

[University of Canterbury](#)

[Lincoln University](#)

[University of Otago](#)

[Subject Index](#)



This is a guide for recommended subjects only. Each tertiary education provider will have different entry criteria so you need to check carefully. For careers not on this list or for more specific details, visit the Careers Room or look on <http://www.careers.govt.nz/> or at individual tertiary education providers websites:

|  |  |
|--|--|
| AUT University                             | <a href="http://www.aut.ac.nz">www.aut.ac.nz</a>               |
| Canterbury University                      | <a href="http://www.canterbury.ac.nz">www.canterbury.ac.nz</a> |
| Lincoln University                         | <a href="http://www.lincoln.ac.nz">www.lincoln.ac.nz</a>       |
| Manukau Institute of Technology Te Pukenga | <a href="http://www.manukau.ac.nz">www.manukau.ac.nz</a>       |
| Massey University                          | <a href="http://www.massey.ac.nz">www.massey.ac.nz</a>         |
| Otago University                           | <a href="http://www.otago.ac.nz">www.otago.ac.nz</a>           |
| Unitec Te Pukenga                          | <a href="http://www.unitec.ac.nz">www.unitec.ac.nz</a>         |
| University of Auckland                     | <a href="http://www.auckland.ac.nz">www.auckland.ac.nz</a>     |
| Victoria University of Wellington          | <a href="http://www.wgtn.ac.nz">www.wgtn.ac.nz</a>             |
| Waikato University                         | <a href="http://www.waikato.ac.nz">www.waikato.ac.nz</a>       |

If you are considering studying at an overseas University, ensure that you know what subjects and other entrance criteria are required to meet their entrance qualifications.

Many courses refer to 'Language rich' or 'English rich' subjects. These are: Classical Studies, English, Geography, History, History of Art and Te Reo Māori. **They do NOT replace the UE literacy credits but are in addition to them.** [If you will be a Year 12 and you are not intending to choose 12ENG - English with Externals- you should fill in this form](#)

### **International Students**

International students applying to Universities in New Zealand on the basis of NCEA will need to gain the University Entrance Standard and will also be ranked according to their best 80 credits at NCEA Level 3, from up to five subjects on the approved NZQA list.

# Vocational Pathways



Vocational Pathways provide ways to structure and achieve NCEA Level 2, the foundation for success in further education and work. They enable students to see how their learning is relevant for a wide range of jobs and study options in six broad sectors of industry – Manufacturing & Technology, Construction & Infrastructure, Creative Industries, Primary Industries, Service Industries and Social & Community Services.

They show you how important your learning really is by matching up what you learn with a range of work and study options. They can show you and your family how your strengths, interests and achievements relate to a wider range of future possibilities, and how your subject choices make a difference to what you might do in the future. You will be able to identify the range of roles, jobs and study options available to you and understand more clearly the subjects you will need to take to get there.

You can study towards an NZQA Vocational Pathway Award as part of your NCEA Level 2 by taking assessment standards and courses that lead to these areas. To achieve the Vocational Pathways Award you must achieve NCEA Level 2 which includes literacy and numeracy requirements. You must also achieve 60 Level 2 credits from the Recommended Assessment Standards for a Vocational Pathway sector e.g. Primary Industries, including 20 Level 2 credits from Sector-related Standards for that sector. Both the 60 Recommended Assessment Standards and the 20 Sector-related Standards must come from the same Vocational Pathway.

## Vocational Pathways - Education and Careers

- (1) Every job or career is part of one or more of the six New Zealand Vocational Pathways
- (2) Pathways are flexible and can overlap across different learning levels and different industry sectors
- (3) Qualifications are offered through different government and private training providers (e.g. polytechnics, universities, Private Training Establishments and Industry Training Organisations)
- (4) Training providers offer certificate, diploma, degree and post-graduate qualifications
- (5) Many jobs offer "Earn While You Learn" training towards qualifications (e.g. apprenticeships, cadetships and internships)

(6) For more job options, training options and interactive career building tools, go to [Careers NZ](#)

Find out more at: [Vocational Pathways Profile](#)

|  | Construction & Infrastructure   | Manufacturing & Technology   | Primary Industries  | Service Industries   | Social & Community Services   | Creative Industries   |
|--|---|--|---|--|---|---|
| NCEA Level 1-3 to New Zealand Certificate (Level 2- Level 4) | Boat Builder<br>Bricklayer<br>Building Contractor<br>Caretaker<br>Carpenter<br>Crane Operator<br>Electrician<br>Floor & Waller Tiler<br>Floor Covering Installer<br>Landscape Gardener<br>Line Mechanic<br>Locksmith<br>Mine/Quarry Worker<br>Painter & Decorator<br>Plumber/Gasfitter/Drainlayer<br>Property Manager<br>Roding Construction Worker<br>Roofer<br>Scaffolder<br>Water Treatment Operator | Auto-Electrician/Tech nician<br>Baker<br>Boat Builder<br>Chem. Production Operator<br>Clothing Designer<br>Clothing Pattern Maker<br>Collision Repair Technician<br>Dairy Products Maker<br>Electrician<br>Food & Beverage Worker<br>Jeweller<br>Lighting Technician<br>Marine Engineer<br>Meat/Seafood Processor<br>Mech. Engin. Technician<br>Plastics Technician<br>Telecom. Technician<br>Tyre Technician<br>Winemaker<br>Wood Machinist | Animal Attendant<br>Aquaculture Farmer<br>Arborist<br>Build. & Const. Labourer<br>Crop Farmer<br>Dairy Products Maker<br>Dog Trainer<br>Farm Worker<br>Fencer<br>Fishery Officer<br>Fishing Skipper<br>Forestry & Logging Worker<br>Grounds person<br>Horse Trainer<br>Landscape Gardener<br>Meat/Seafood Processor<br>Nursery Grower/Worker<br>Ranger<br>Winemaker<br>Wood Processing Worker | Accounts Officer<br>Aircraft Loader or Refueller<br>Bank Worker/Mortgage Broker<br>Bartender<br>Beauty Therapist<br>Café/Restaurant Manager<br>Chef<br>Cleaner<br>Contact Centre Worker<br>Fitness Instructor<br>Flight Attendant<br>Florist<br>Hairdresser<br>Hotel Manager<br>Legal Executive<br>Motor Vehicle Sales<br>Receptionist<br>Retail Manager<br>Tourism Operator<br>Truck Driver | Air Force Officer<br>Community Worker<br>Customs Officer<br>Dental Assistant<br>Dispensing Optician<br>Emerg. Management Officer<br>Fire-fighter<br>Health & Safety Inspector<br>Health Promoter<br>Immigration Officer<br>Legal Clerk<br>Library Assistant<br>Minister<br>Nanny<br>Nursing Support & Carer<br>Police Officer<br>Recreation Coordinator<br>Security Officer<br>Teacher Aide<br>Translator | Actor<br>Beauty Therapist<br>Body Artist<br>Clothing Designer<br>Clothing Pattern Maker<br>Copywriter<br>Dancer<br>Film & Video Editor<br>Film/TV Camera Operator<br>Florist<br>Hairdresser<br>Jeweller<br>Make-Up Artist<br>Media Producer<br>Musician<br>Photographer<br>Sewing Machinist<br>Signmaker<br>TV Presenter<br>Upholsterer |

|                                      |                              |                               |                         |                         |                              |                           |
|--------------------------------------|------------------------------|-------------------------------|-------------------------|-------------------------|------------------------------|---------------------------|
| Diploma<br>(Level 4- Level 6)        | Architectural Technician     | Aircraft Maint. Engineer      | Forestry Manager        | Sales & Market. Manager | Anaesthetic Technician       | Advert., Sales, Marketing |
|                                      | Civil Engineering Technician | Architectural Technician      | Science Technician      | Air Traffic Controller  | Career Consultant            | Interior Designer         |
|                                      | Geospatial Specialist        | Comp. Support Technician      |                         | Office Manager          | Early Childhood Teacher      | Editor                    |
|                                      | Interior Design              | Database Administrator        |                         | Insurance Salesperson   | Librarian                    | Architectural Technician  |
|                                      | Property Manager             | Elect. Engineering Technician |                         | Flying Instructor       | Med. Laboratory Technician   | Graphic Designer          |
|                                      | Quantity Surveyor            | Science Technician            |                         |                         | Naturopath                   | Web Developer             |
|                                      | Survey Technician            | Telecom. Technician           |                         |                         | Paramedic                    | Editor                    |
|                                      |                              |                               |                         |                         | Psychotherapist              |                           |
| Degree<br>(Level 5- Level 7)         | Architectural Technician     | Agricultural Engineer         | Agricultural Consultant | Accountant              | Cardiologist                 | Animator                  |
|                                      | Civil Engineer               | Architect                     | Biotechnologist         | Aeroplane Pilot         | Dentist                      | Architectural Technician  |
|                                      | Energy Auditor               | Biomedical Engineer           | Environmental Scientist | Economist               | Education Advisor            | Game Developer            |
|                                      | Environmental Engineer       | Chemical Engineer             | Forestry Scientist      | Graphic Designer        | Environmental Health Officer | Industrial Designer       |
|                                      | Landscape Architect          | Civil Engineer                | Geophysicist            | Industrial Designer     | Foreign Policy Officer       | Historian                 |
|                                      | Mining Engineer              | Food Technologist             | Landscape Architect     | Intelligence Officer    | Health Services Manager      | Landscape Architect       |
|                                      | Naval Architect ( Designer)  | Forensic Scientist            | Marine Biologist        | Lawyer                  | Medical Laboratory Scientist | Naval Architect           |
|                                      | Project Manager              | Game Developer                | Microbiologist          | Meteorologist           | Social Worker                |                           |
|                                      | Surveyor                     | Industrial Designer           | Veterinarian            | Pharmacist              | Teacher (Prim./Second.)      |                           |
|                                      |                              | Mechanical Engineer           | Zoologist               | Project Manager         | Urban/Regional Planner       |                           |
|                                      |                              |                               |                         |                         |                              |                           |
|                                      |                              |                               |                         |                         |                              |                           |
|                                      |                              |                               |                         |                         |                              |                           |
|                                      |                              |                               |                         |                         |                              |                           |
| Post-graduate<br>(Level 7- Level 10) | Architect                    | Chemist                       | Agricultural Scientist  | Archivist               | Anaesthetist                 | Archivist                 |
|                                      | Environmental Engineer       |                               | Geologist               | Conservator             | Audiologist                  | Conservator               |
|                                      | Mining Consultant            |                               | Horticultural Scientist | Curator                 | Judge                        | Curator                   |
|                                      |                              |                               |                         | Dietician               | Psychiatrist                 |                           |
|                                      |                              |                               |                         | Medical Physicist       | Psychologist                 |                           |

# SELECTING YOUR COURSES FOR 2024

The information in this handbook is designed to help you choose your courses for 2024 carefully. The courses you select are crucial for your future, so it is important that you choose the right course direction. The further you go in the senior school, the more difficult it becomes to change that direction. That is why the very best advice is to *keep as broad a range of courses for as long as possible*.

**ABILITY + INTEREST + OCCUPATION = COURSE CHOICE**

When selecting your courses, answer these questions:

***What courses do I enjoy?***

Reflect on the subjects you have studied already and take time to read the Course Descriptions in this information booklet or on [Career Central](#)

***Will I have a good chance of success in each of these subjects?***

Think about your previous results to be sure that you can cope with the different demands of the subjects you choose.

***What qualifications do I want to gain while I am at school?***

Research thoroughly on [Career Central](#). Complete a detailed pathways plan (or start with [this sheet](#)).

***What qualifications and courses do I need for tertiary study / or for the work I hope to do?***

You must ensure that you consider your possible future career paths carefully.

Use [Career Central](#), access the Careers Services website on [www.careers.govt.nz/](http://www.careers.govt.nz/) and talk with Mrs McConchie, the Careers Advisor.

Also, check the Entry Requirements for Year 13 Courses and [Recommendations for Careers](#) booklet.

***Do I have the prerequisites for these courses?***

Course completion this year, i.e. the submission of all assessments, is a requirement for entry into courses next year. Check the specific Entry Requirements for each Year 13 course.

***What does this course lead to?***

Coherence about what you study in the senior years is important to develop necessary foundation knowledge and skills.

***Have I met the requirements for my year level?***

There are no prerequisites for Level 2 programmes but some subjects will be extremely challenging to pick up if you do not have any prior learning in Year 11. Make sure that you know the prerequisites for any Year 13/Level 3 programmes.

***Have I discussed my choices with my parent(s)/caregiver(s) and teachers - Tutor Group Teacher, Subject Teachers, and Head of House?***

Before a course is confirmed it must be approved by your parent/caregiver, Tutor Group Teacher and/or Head of House and, if entry requirements have not been met, by the relevant HoD.

It is important that you look at the [Recommendations for Careers Booklet](#) and [Career Central](#) to check that the subjects you select meet entry requirements for your areas of interest.

# NEW NCEA REQUIREMENTS 2024

In 2024, the literacy and numeracy requirements of the NCEA are formally separated out from the certificate at Levels 1-3 and the 20 credit co-requisite becomes mandatory.

This means that students attending Rosehill College who did not achieve their NCEA 10 credit literacy and 10 credit numeracy requirements by the end of 2023, must now achieve a new 20 credit co-requisite specific to reading, writing and numeracy skills.

This 20 credit co-requisite must be achieved to be awarded any level of NCEA. The co-requisite is a one-off requirement. Students who have not gained NCEA literacy and numeracy in 2023 may be required to take a combined Literacy/Numeracy subject to ensure they can achieve the co-requisites.

## Year Level Course Requirements 2024

### Requirements for Year 12 Students

- ☐ Year 12s will choose 5 subjects.
- ☐ To gain NCEA Level 2, students need 80 credits, 60 of which must be at Level 2 as well as meeting NCEA literacy and numeracy requirements.
- ☐ Students who have not gained NCEA literacy and numeracy by the end of 2023 may be required to take a combined Literacy/Numeracy subject.
- ☐ While English is not compulsory, students who are considering a university pathway will usually need to continue with English in Year 12. [If you will be a Year 12 and you are not intending to choose 12ENG \(English with Externals\) you should fill in this form](#)
- ☐ Most Year 12 students will study courses that are assessed by Achievement and/or Unit Standards and earn credits towards NCEA Level 2 and, in some cases, another National Certificate.
- ☐ A number of Year 12 students will select courses at other NCEA levels, depending on previous successes and choices. Year 12 students must ensure they select courses at an appropriate level of difficulty.
- ☐ Year 12 students, who intend going to university are advised to take **four** courses listed as University Entrance approved subjects on [page 8](#).

### Requirements for Year 13 Students

- ☐ Year 13 will choose 5 subjects.
- ☐ To gain NCEA Level 3, students need 80 credits, 60 of which must be at Level 3 as well as meeting NCEA literacy and numeracy requirements.
- ☐ Students who have not gained NCEA literacy and numeracy by the end of 2023 may be required to take a combined Literacy/Numeracy subject.
- ☐ Most Year 13 students will study courses that are assessed by Achievement and/or Unit Standards and earn credits towards NCEA Level 3 and, in some cases, another National Certificate.
- ☐ A number of Year 13 students will select courses at other year levels, depending on previous successes and choices. Year 13 students must ensure they select courses at an appropriate level of difficulty.
- ☐ Year 13 students, who intend to go to university are advised to take **four** courses listed as University Entrance approved subjects on [page 8](#). They should also check that they can meet University Entrance literacy and numeracy requirements.
- ☐ Some Year 13 students may consider studying towards New Zealand Scholarship – see [page 7](#) for details of the New Zealand Scholarship. The subjects with Scholarship available are indicated on [pages 2-3 in the Alphabetical Subject Index](#). Students should express their interest in sitting these external exams to subject teachers at the beginning of the year.

# Entry Requirements for NCEA Subjects

**Entry Requirements for NCEA Level 2:** There are no entry requirements for Level 2 subjects. Teachers and Heads of House may recommend a subject to students based on a student's previous performance. Please note that if a student has not studied a subject before they may find the work of a new Level 2 subject quite challenging.

## **Entry Requirements for NCEA Level 3**

To proceed from a Level 2 course assessed by Achievement Standards to a Level 3 course assessed by Achievement Standards, students must meet the following entry requirements:

1. At subject selection time students must have achieved between 50-55% of the credits available in the previous course or a specified related course. Pre-enrolment for a course will be determined from internal Achievement Standards results and from the results gained in school based assessments for external standards assessed in the Term 3 derived grade examinations.
2. Enrolment for a Level 3 course will not be confirmed until after the results of the NZQA external examinations. Students who do not gain the required credits from the external examinations in November will require approval from the Head of Department to enrol in the subject.
3. Heads of Departments may also specify particular Achievement Standards in which a student must have gained 'Achieved' or 'Merit' in a summative assessment.
4. If a student does not meet the above requirements they may seek the approval of the Head of Department to enter the Level 3 course.
5. If a student failed to meet the requirements specified in 1 or 2 above for a particular subject, decisions about their entry into Level 3 courses may be reviewed by the Head of Department in Term 4 or at re-enrolment in 2024.

**Note:** If a subject is over subscribed, preference will be given to students who have studied the subject in previous year. In this case the student's previous achievement in this subject may also be a deciding factor.

# PEOPLE TO SEE FOR SUBJECT ADVICE

Three very important people whom you can see for advice about your subject selection here at school are your **Tutor Group Teacher**, **Head of House** and **Mrs McConchie**, our Careers Advisor. She has information on a huge variety of careers and tertiary courses.

Your Tutor Group Teacher will have been tracking your progress, helping you set goals, and communicating your success with home. Tutor Group Teachers know you well, have worked with you on Career Central, and can support you in your decision-making.

If you want to find out more about a subject, the following teachers can help you:

## Subject

Accounting, Business Studies, Economics, Financial Literacy  
Art History and Visual Arts  
Biology  
Chemistry  
Classical Studies  
Digital Technology  
Dance, Drama, Entertainment and Events Technology  
Design & Visual Communication  
Information Management  
English  
ESOL  
Geography  
Health  
History  
Languages – Spanish  
Languages - Chinese  
Music  
Mathematics  
Physics, Electronics  
Physical Education  
Science  
Social Studies  
Technology - Food, Food & Nutrition, Hospitality  
Technology - Hard Materials, Engineering, Trade Skills  
Technology - Fabrics  
Te Reo Māori  
Tourism

## Teacher

Mrs Narayan  
Mrs Powell  
Mr Stanning  
Mr O'Sullivan  
Mrs Leith-Bringans  
Mrs Mockridge  
Mr Hare  
Mr McMillan  
Mr Gillon  
Mrs Walton  
Ms Aw  
Ms Alexander  
Ms Harkess  
Mr Bower  
Mr Moradi  
Ms Chen  
Mrs Banham  
Mrs Carter  
Mr Neziri  
Mr Rennell  
Mrs Duckett  
Mr Bower  
Ms McCown  
Mr Sewak  
Ms Turketo  
Whaea Kahmil  
Mr Inga

## Course Costs

Rosehill College Chose is part of the Government School Donations Grant Scheme. Costs will be charged for Overnight Camps, take-home projects, and optional activities only.



## NGĀ TOI / THE ARTS

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| 13ARD Art Design                          | 25   |
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| 13PAI Painting                            | 26   |
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### NOTES AND RESTRICTIONS

**Restriction:** Students can only select a maximum of two practical Visual Arts subjects.

## 12DAN - Dance

**Course Content:** Students will actively participate in composing, performing and producing dance sequences and performing as part of a group. They will be encouraged to develop their own choreography and perform this as part of the Dance Show. Students will learn a range of dance styles and interpret a dance performance with supporting evidence. The course may also include visits to and observation of dance performances outside of the classroom in order to develop critical response to dance. Students taking this course need to work as part of a team and be prepared to complete some evening and weekend production work.

| Number                   | Name of Standard  | Credits | UE Lit | Assessment |
|--------------------------|---|---------|--------|------------|
| AS91205                  | Choreograph a group dance to communicate an intention   | 4       |        | Internal   |
| AS91206                  | Choreograph a solo dance to communicate an intention  | 4       |        | Internal   |
| AS91207                  | Perform an ethnic or social dance to communicate understanding of the style   | 4       |        | Internal   |
| AS91208                  | Perform a theatre dance to communicate understanding of the dance.  | 4       |        | Internal   |
| AS91209                  | Perform a repertoire of dance   | 6       |        | Internal   |
| AS91211<br>OR<br>AS91212 | Provide an interpretation of a dance performance with supporting evidence<br>OR<br>Demonstrate understanding of a dance genre or style in context | 4       |        | External   |

**This course leads to 13DAN** for which the entry requirement is 12 credits in 12DAN, including AS91211 or AS91212, AS91208 or AS91207, and AS91206 or AS91205.

## 12DRA - Drama

**Course Content:** Students are given the opportunity to develop acting skills and to develop independence as a performer and creator. They will be exposed to new theatre forms and will interpret and experiment with a wide range of scripts and drama techniques designed to aid their development in the subject. The course may also include visits to and observation of Drama performances outside of the classroom in order to develop critical response to Drama. Students taking this course need to work as part of a team and be prepared to complete some evening and weekend production work. *Note: there are four extra credits for advanced students who can sit an extension external examination if approved by the teacher.*

| Number               | Name of Standard   | Credits | UE Lit | Assessment |
|----------------------|--|---------|--------|------------|
| AS91213              | Apply drama techniques in a scripted context   | 4       | Read   | Internal   |
| AS91216              | Use complex performance skills associated with a drama or theatre form or period         | 4       | Read   | Internal   |
| AS91218              | Perform a substantial acting role in a scripted production                               | 5       | Read   | Internal   |
| AS91220              | Script a scene suitable for drama performance  | 4       | Write  | Internal   |
| Extension<br>AS91219 | Discuss drama elements, techniques, conventions and technologies within live performance | 4       |        | External   |

**This course leads to 13DRA** for which the entry requirement is 9 credits in 12DRA, including AS91218, or by HoD approval.

## 12EET – Entertainment and Events Technology

**Course Content:** This is a practical course. It aims to teach skills in stagecraft, including stage make-up, costume design, prop making skills and set design. Unit Standards in each area will be the main form of assessment. Students taking this course need to be able to work in a team, and also be prepared to complete some class work after school hours for school productions.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US27699 | Demonstrate and apply knowledge of costume design for an entertainment and event context                            | 4       |        | Internal   |
| US27700 | Demonstrate and apply knowledge of lighting design for an entertainment and event context                           | 4       |        | Internal   |
| US27701 | Demonstrate and apply knowledge of make-up design for an entertainment and event context                            | 4       |        | Internal   |
| US27702 | Describe and carry out tasks and responsibilities in a production role in an entertainment and event context        | 4       |        | Internal   |
| US27703 | Demonstrate and apply knowledge of sound design for an entertainment and event context                              | 4       |        | Internal   |
| US27704 | Demonstrate and apply knowledge of the design and construction of entertainment and event props and scenic elements | 4       |        | Internal   |

**This course leads to 13EET for which the entry requirement is 12 credits in 12EET, or by HoD approval.**

## 13DAN - Dance

**Entry Requirement:** 12 credits in 12DAN, including AS91211 or AS91212, AS91208 or AS91207, and AS91206 or AS91205.

**Course Content:** Students, with the support of the teacher, will tailor an individual learning programme from the standards listed. Students will actively participate in choreographing, performing and producing dance sequences and performing both solo and group pieces. They will be encouraged to choreograph their own work and produce and perform in the Senior Dance Show. Students will analyse and evaluate dance performance. The course may also include visits to and observation of dance performances outside of the classroom in order to develop critical response to dance. Students taking this course need to work as part of a team and be prepared to complete some evening and weekend production work.

| Number                   | Name of Standard   | Credits    | UE Lit            | Assessment               |
|--------------------------|--|------------|-------------------|--------------------------|
| AS91589                  | Choreograph a dance to develop and resolve ideas   | 4          |                   | Internal                 |
| AS91590                  | Perform a solo or duet   | 4          |                   | Internal                 |
| AS91591                  | Perform a group dance  | 4          |                   | Internal                 |
| AS91592                  | Perform a repertoire of contrasting dances   | 6          |                   | Internal                 |
| AS91594<br>OR<br>AS91595 | Analyse a dance performance<br>OR<br>Demonstrate understanding of the development of dance in Aotearoa/New Zealand | 4<br><br>4 | Write<br><br>Read | External<br><br>External |

### 13DRA - Drama

**Entry Requirement:** 9 credits in 12DRA, including AS91218, or by HoD approval.

**Course Content:** In this master class of Drama, students are expected to develop a portfolio of class work to a level of public performance quality. Students will learn a variety of modern Drama skills and techniques including that of naturalism and realism. The course will also include visits to Drama performances outside of the classroom in order to develop critical response to Drama. Students taking this course need to work as part of a team and be prepared to complete some evening and weekend production work.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91512 | Interpret scripted text to integrate drama technique in performance              | 4       | Read   | Internal   |
| AS91515 | Select and use complex performance skills associated with a drama form or period | 4       | Read   | Internal   |
| AS91517 | Perform a substantial acting role in a significant production                    | 5       | Read   | Internal   |
| AS91518 | Demonstrate understanding of live drama performance                              | 4       | Write  | External   |

### 13EET - Entertainment and Events Technology

**Entry Requirement:** 12 credits in 12EET, or by HoD approval.

**Course Content:** This is a practical course. It aims to teach skills in stagecraft, including stage make-up, costume design, prop making skills and set design. Unit Standards in each area will be the main form of assessment. Students taking this course need to be able to work in a team, and also be prepared to complete some class work after school hours for school productions. *Note: This course runs like a functioning theatre, students will focus on particular standards that will be their specialised area.*

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US32366 | Develop a costume design for a given work in an entertainment and event context   | 5       |        | Internal   |
| US32367 | Realise the costume design for a given work in an entertainment and event context                                       | 4       |        | Internal   |
| US32369 | Realise the lighting design for a given work in an entertainment and event context                                      | 4       |        | Internal   |
| US32370 | Develop a make-up design for a given work in an entertainment and event context   | 5       |        | Internal   |
| US32371 | Realise the make-up design for a given work in an entertainment and event context                                       | 4       |        | Internal   |
| US32372 | Develop a scenic design for a given work in an entertainment and event context  | 5       |        | Internal   |
| US32373 | Construct props and scenic elements to realise the scenic design for a given work in an entertainment and event context | 4       |        | Internal   |
| US32374 | Develop a sound design for a given work in an entertainment and event context   | 5       |        | Internal   |
| US32375 | Realise the sound design for a given work in an entertainment and event context   | 4       |        | Internal   |

## 12MUS – Music

All students must be prepared to continue learning an instrument or vocal technique from an instrumental or vocal tutor. (Group tuition is provided at school.)

**Course Content:** Students will work on individual programmes to further develop musical skills and build on their strengths. Each student's course will contain between 14 and 20 credits and will be decided upon after consultation with, and approval from, their Music teacher.

| Number   | Name of Standard   | Credits | UE Lit | Assessment |
|--|--|---------|--------|------------|
| <b>Student's individual course is chosen from the following standards:</b> |  |         |        |            |
| US27658  | Demonstrate and apply knowledge of electronic music production and music notation application(s) | 4       |        | Internal   |
| US30240  | Demonstrate knowledge of taonga pūoro whanau   | 6       |        | Internal   |
| US31192  | Demonstrate the essential skills of new Maori music  | 6       |        | Internal   |
| US32302  | Apply knowledge of MIDI sequencing   | 3       |        | Internal   |
| US32303  | Apply knowledge of music notation application(s)   | 3       |        | Internal   |
| AS91270  | Perform two substantial pieces of music as a featured soloist                                    | 6       |        | Internal   |
| AS91271  | Compose two substantial pieces of music  | 6       |        | Internal   |
| AS91272  | Demonstrate ensemble skills by performing a substantial piece of music as a member of a group    | 4       |        | Internal   |
| AS91273  | Devise an instrumentation for an ensemble  | 4       |        | Internal   |
| AS91274  | Perform a substantial piece of music as a featured soloist on a second instrument                | 3       |        | Internal   |
| AS91278  | Investigate an aspect of NZ music  | 4       |        | Internal   |
| AS91275  | Demonstrate aural skills through written transcription   | 4       |        | External   |
| AS91276  | Demonstrate knowledge of conventions in a range of music scores                                  | 4       |        | External   |

**This Course leads to** 13MUS for which the entry requirement is a minimum of 10 credits in Level 2 Music or significant experience in singing or playing an instrument.

### 13MUS - Music

All students must be prepared to continue learning an instrument or vocal technique from an instrumental or vocal tutor. (Group tuition is provided at school.)

**Entry Requirement:** Students must have experience in singing or playing an instrument and have gained at least 10 Level 2 Music credits, or have passed Grade 4 Music Performance or Music Theory with ABRSM, Trinity College, etc., or have HoD approval.

**Course Content:** This music course is designed for students who wish to continue in their music studies and performance, in order to gain valuable life skills; and also for those who wish to pursue a career in Music. Students will work on individual programmes to suit future musical needs, further develop musical skills and build on their strengths. Each student's course will contain between 14 and 20 credits and will be decided upon after consultation with, and approval from, their Music teacher.

| Number   | Name of Standard  | Credits | UE Lit | Assessment |
|--|---|---------|--------|------------|
| <b>Student's individual course is chosen from the following standards:</b> |   |         |        |            |
| US30244  | Demonstrate knowledge of influencing factors in the historical demise, renaissance, and revival of taonga pūoro | 6       |        | Internal   |
| US31193  | Perform new Maori music compositions  | 8       |        | Internal   |
| US32304  | Operate a music sequencing application  | 4       |        | Internal   |
| US32305  | Operate a music notation software application   | 3       |        | Internal   |
| AS91416  | Perform two programmes of music as a featured soloist   | 8       |        | Internal   |
| AS91417  | Perform a programme of music as a featured soloist on a second instrument                                       | 4       |        | Internal   |
| AS91418  | Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group                | 4       |        | Internal   |
| AS91419  | Communicate musical intention by composing three original pieces of music                                       | 8       |        | Internal   |
| AS91420  | Integrate aural skills into written representation  | 4       |        | External   |
| AS91421  | Demonstrate an understanding of harmonic and tonal conventions in a range of music scores                       | 4       |        | External   |
| AS91424  | Create two arrangements for an ensemble   | 4       |        | Internal   |
| AS91425  | Research a music topic  | 6       | Read   | Internal   |
| AS91849  | Compose three original songs that express imaginative thinking  | 8       |        | Internal   |

## 12ARD – Art Design

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** The Level 2 Design course involves the generating of visual ideas in a range of media and processes. Students are encouraged to work to their strengths, whether this be through hand or digitally generated ideas. Students take inspiration from graphic or illustrative design practice and utilise a range of skills including digital drawing, illustration, typography and photography. Internally assessed work supports some briefs in the external assessment at student's discretion.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91310 | Use drawing methods to apply knowledge of conventions appropriate to design                                  | 4       |        | Internal   |
| AS91315 | Develop ideas in a related series of drawings appropriate to established design practice                     | 4       |        | Internal   |
| AS91320 | Produce a systematic body of work that shows understanding of art making conventions and ideas within design | 12      |        | External   |

**This Course leads to** 13ARD for which the entry requirement is 12 credits in 12ARD or by HoD approval.

## 12ARH - Art History

**Students do not need to have any practical art skill for this course.**

**Course Content:** This course involves the study of a range of themes including 19<sup>th</sup> century painting in France and the development of modern art in New Zealand. Class work is supplemented by research, a gallery visit and some practical activities. Students may enter one or two external standards.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91180 | Examine the effects of formal elements of art works                               | 4       | Write  | External   |
| AS91181 | Examine the meanings conveyed by art works  | 4       |        | External   |
| AS91183 | Examine how media are used to create effects in art works                         | 4       |        | Internal   |
| AS91184 | Communicate understanding of an art history topic                                 | 4       | Read   | Internal   |
| AS91185 | Communicate a considered personal response to art works                           | 4       |        | Internal   |
| AS91186 | Demonstrate understanding of art works in relation to their physical environments | 4       |        | Internal   |

**This Course leads to** 13ARH for which the entry requirement is 12 credits in 12ARH; 12CLS; 12ENG/12ENI; 12HIS; or by HoD approval.

## 12PAI - Painting

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** This course is aimed at developing students' knowledge of painting techniques and methods of working, resulting in finished art works. Units of work encourage the development of an extensive workbook and a variety of artworks in drawing and painting as well as the analysis and research of artworks. Students will develop their own painting skills and explore original ideas based on contemporary art practice.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91311 | Use drawing methods to apply knowledge of conventions appropriate to painting                                  | 4       |        | Internal   |
| AS91316 | Develop ideas in a related series of drawings appropriate to established painting practice                     | 4       |        | Internal   |
| AS91321 | Produce a systematic body of work that shows understanding of art making conventions and ideas within painting | 12      |        | External   |

**This Course leads to** 13PAI for which the entry requirement is 12 credits in 12PAI

## 12PHO - Photography

**Students must have their own digital camera**, preferably SLR minimum 10 megapixels. A phone camera is not sufficient.

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** This is a practical course with a strong research element, which teaches students to take quality photographs and to see the camera as an art form and as a way to express ideas. Students explore individual creativity and examine the style of contemporary photographers in self-directed study and develop their own photographic theme which is presented on two folio boards using artist models as a starting point to develop original ideas.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91312 | Use drawing methods to apply knowledge of conventions appropriate to photography                                   | 4       |        | Internal   |
| AS91317 | Develop ideas in a related series of drawings appropriate to established photography practice                      | 4       |        | Internal   |
| AS91322 | Produce a body of work within photography to show understanding of art-making methods and ideas within photography | 12      |        | External   |

**This Course leads to** 13PHO for which the entry requirement is either 12 credits in 12PHO, or by HoD approval.



## 12PDR – Printmaking and Drawing

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** The course involves a selection of standards in which students define their own theme in order to develop their ideas and skills through drawing and extending those ideas into printmaking. Inquiry as learning, culturally responsive teaching and learning practice are the key teaching approaches. There will be regular formative assessments and one summative assessment for each of the three standards. The focus will be on meeting all criteria through the development of practical and research work, completing two internal standards and an external folio board of prints.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91313 | Use drawing methods to apply knowledge of conventions appropriate to printmaking                                  | 4       |        | Internal   |
| AS91318 | Develop ideas in a related series of drawings appropriate to established printmaking practice                     | 4       |        | Internal   |
| AS91323 | Produce a systematic body of work that shows understanding of art making conventions and ideas within printmaking | 12      |        | External   |

This Course leads to 13SCU, 13PTM, or by HoD approval.

## 13ARD – Art Design

**Entry Requirement:** 12 credits in 12ARD or by HoD approval.

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** The Level 3 Design course involves the generating of visual ideas in a range of media & processes. Students are encouraged to work to their strengths whether this be through hand or digitally generated ideas. Students take inspiration from graphic or illustrative design practices and utilise a range of skills including digital drawing, illustration, typography and photography. Internally assessed work supports some briefs in the external assessment at student's discretion.

| Number   | Name of Standard   | Credits | UE Lit | Assessment |
|----------|--|---------|--------|------------|
| .AS91445 | Use drawing to demonstrate understanding of conventions appropriate to design                              | 4       |        | Internal   |
| AS91455  | Produce a systematic body of work that integrates conventions and regenerates ideas within design practice | 14      |        | External   |

### 13ARH – Art History

**Entry Requirement:** 10 credits in 12ARH; 12CLS; 12ENG/12ENI; 12HIS; or by HoD approval.

**Course Content:** A student does not need to be an art student to enter this course. Students gain considerable knowledge about the history of art as they explore German Expressionism, Modern American art or Dada and Surrealism and the work of Renaissance artists including Leonardo da Vinci, Raphael and Michelangelo. The course includes a gallery visit and students are encouraged to access local artworks as they complete the internally assessed work. The use of sites and the web for digital resources as well as traditional teaching and learning approaches help students understand why artists have created specific artworks, and why particular techniques were introduced by some of the greatest artists.

| Number  | Name of Standard   | Credits | UE Lit        | Assessment |
|---------|--|---------|---------------|------------|
| AS91482 | Demonstrate understanding of style in art works            | 4       | Read<br>Write | External   |
| AS91483 | Examine how meanings are communicated through art works    | 4       | Read          | External   |
| AS91485 | Examine the impact of media and processes on art works     | 4       | Read          | Internal   |
| AS91487 | Examine the different values placed on art works           | 4       | Read          | Internal   |
| AS91488 | Examine the relationship(s) between a theory and art works | 4       | Read          | Internal   |

### 13PAI - Painting

**Entry Requirement:** 12 credits in 12PAI

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** Students work through a series of practical assignments that aim to develop their observation, media, composition and stylistic skills. Students explore a wide range of ideas before selecting their own course of study. The course aims to develop a student's own painting skills and pictorial ideas, based on contemporary art practice. Work produced can also be used to create a portfolio for entry into Design and Art School.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91446 | Use drawing to demonstrate understanding of conventions appropriate to painting                              | 4       |        | Internal   |
| AS91451 | Systematically clarify ideas using drawing informed by established painting practice                         | 4       |        | Internal   |
| AS91456 | Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice | 14      |        | External   |

### 13PHO - Photography

**Entry Requirement:** Either 12 credits in 12PHO or by HoD approval. Students must have their own manual SLR camera, with a minimum of 10 megapixels. A phone camera is not sufficient for the quality of photography required at this level.

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** This course extends and refines skills learnt in Level 2 Photography. Students complete two artist model-based assignments before developing their own subject and ideas for a three board or digital folio submission. Students can select from three internals and must enter in Standards that will give them a minimum of 18 credits. The course aims to explore an individually selected theme through the application of particular styles of working and evidence of technical skill. The course also places a high emphasis on creativity and the use of the camera as an art form. Work produced can also be used to create a portfolio for entry into tertiary Photography and Art School courses.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| A91442  | Analyse methods and ideas from established photography practice   | 4       | Read   | Internal   |
| AS91447 | Use drawing to demonstrate understanding of conventions appropriate to photography                              | 4       |        | Internal   |
| AS91452 | Systematically clarify ideas using drawing informed by established photography practice                         | 4       |        | Internal   |
| AS91460 | Produce a resolved work that demonstrates purposeful control of skills appropriate to a visual arts context     | 4       |        | Internal   |
| AS91457 | Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice | 14      |        | External   |

### 13PTM - Printmaking

**Entry Requirement:** Open entry. 12 credits in 12PDR or 12PAI is desirable.

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** In the first half of the year, students investigate a range of printing processes and drawing techniques such as etching, engraving and multi-block printing. Assignments are based on the work required to extend individual ideas. Towards the end of Term 2, students begin work on an individual theme for their three A1 folio boards. A journal is used throughout the year for assignment work, ideas and sketches. Work produced can be used for entry into tertiary Art and Design School courses.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91448 | Use drawing to demonstrate understanding of conventions appropriate to printmaking                              | 4       |        | Internal   |
| AS91453 | Systematically clarify ideas using drawing informed by established printmaking practice                         | 4       |        | Internal   |
| AS91458 | Produce a systematic body of work that integrates conventions and regenerates ideas within printmaking practice | 14      |        | External   |

## 12 & 13 SCU - Sculpture

**Level 3 Entry Requirement:** 12 credits in 12SCU, 12PDR or by HoD approval.

**Cost:** Students wishing to take home a folio board at the end of the course will need to pay for these, at a cost of \$6. All other resources are supplied for use in class. It is recommended students have their own equipment for home use and that they check with their teacher before purchasing.

**Course Content:** In the first half of the year, students investigate a range of sculptural processes and techniques which can include cast and mould making, assemblage and joinery, plaster of paris and waxwork. Assignments are based on the work required for developing ideas. Towards the end of Term 2, students begin to work on an individual theme for their three A1 folio boards. A journal is used throughout the year for assignment work, ideas and sketches. Work produced can be used for entry into tertiary Art and Design School courses.

### Level 2

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91314 | Use drawing methods to apply knowledge of conventions appropriate to sculpture                                   | 4       |        | Internal   |
| AS91319 | Develop ideas in a related series of drawings appropriate to sculpture practice                                  | 4       |        | Internal   |
| S91324  | Produce a body of work within photography to show understanding of art-making methods and ideas within sculpture | 12      |        | External   |

### Level 3

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91449 | Use drawing to demonstrate understanding of conventions appropriate to sculpture                              | 4       |        | Internal   |
| AS91454 | Systematically clarify ideas using drawing informed by established sculpture practice                         | 4       |        | Internal   |
| AS91459 | Produce a systematic body of work that integrates conventions and regenerates ideas within sculpture practice | 14      |        | External   |

## PĀRONGO KAIPAKIHI / COMMERCE EDUCATION

| <b>Year 12</b> |                    | <b>Page</b> |
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| 12ACC          | Accounting         | 30          |
| 12BUS          | Business Studies   | 30          |
| 12ECO          | Economics          | 31          |
| 12FIN          | Financial Literacy | 31          |
| <b>Year 13</b> |                    |             |
| 13BUS          | Business Studies   | 32          |
| 13FIN          | Financial Literacy | 32          |

## 12ACC - Accounting

**Course Content:** Build a deeper understanding of the basic concepts and provide students with competent accounting skills, which allows them to confidently navigate the world of business, and to effectively prepare and analyse financial data. The course is both practical and academic and relates classroom theory to real life situations. Students will deepen their understanding of accounting as they will make use of appropriate communication tools, such as the professional accounting software package XERO and their skills to process, report and interpret information for sole proprietors that operate an accounting subsystems.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91175 | Demonstrate understanding of accounting processing using accounting software     | 4       |        | Internal   |
| AS91179 | Demonstrate understanding of an accounts receivable subsystem                    | 3       |        | Internal   |
| AS91386 | Demonstrate understanding of an inventory subsystem for an entity                | 3       |        | Internal   |
| AS91176 | Prepare financial information for an entity that operates accounting subsystems  | 5       |        | External   |
| AS91177 | Interpret accounting information for entities that operate accounting subsystems | 4       |        | External   |

**This Course leads to 13ACC**

## 12BUS - Business Studies

**Course Content:** Enables students to experience the realities of business through a practical approach. Classroom theory is supported through the application of knowledge in a real business setting. The significant learning of the course is that; Innovation and entrepreneurship lead to improved outcomes for society. The course will provide students with a good overview of business as a whole, with a particular focus on enterprise. Students will learn about four business areas: marketing, finance, people management and operations. The study will also involve strategic thinking about business influences and setting up a small business. Practical application of the skills learnt can be gained through participation in the Young Enterprise Scheme, YES, (offered as extracurricular) which involves setting up and running a business.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS90843 | Demonstrate understanding of the internal operations of a large business                  | 4       |        | External   |
| AS90845 | Apply business knowledge to a critical problem(s) in a given large business context       | 4       |        | External   |
| AS90848 | Carry out, review and refine a business activity within a community context with guidance | 9       |        | Internal   |
| AS90486 | Conduct market research for a new or existing product                                     | 3       |        | Internal   |

**This Course leads to 13BUS**

## 12ECO - Economics

**Course Content:** Examines and provides a deeper understanding of the topics of inflation, economic growth, unemployment, and international trade. It explores how government policies can influence and impact these economic issues. Students gain a more realistic and well-rounded worldview of the economic dynamics and their broader societal implications. The course provides opportunities for a field trip and guest speakers.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91222 | Analyse inflation using economic concepts and models                      | 4       |        | External   |
| AS91223 | Analyse international trade using economic concepts and models            | 4       |        | External   |
| AS91225 | Analyse unemployment using economic concepts and models                   | 4       | Read   | Internal   |
| AS91227 | Analyse how government policies and contemporary economic issues interact | 6       | Read   | Internal   |

**This Course leads to 13ECO**

## 12FIN – Financial Literacy

**Course Content:** Is designed to provide students with the ability to make informed judgements and decisions regarding the use and management of money. It influences how people save, borrow, invest and manage their financial affairs at different life stages. The course involves a variety of skills related to budgeting, managing, and paying off debts, and understanding credit and investment products. The course develops calculation, analytical, decision making, problem solving and interpersonal skills and prepares learners for real life financial issues.

| Number  | Name of Standard  | Credits | UE Li | Assessment |
|---------|---|---------|-------|------------|
| US28092 | Analyse the effect of significant life events at different life stages on personal financial income | 3       |       | Internal   |
| US28093 | Describe the future financial responsibilities of utilising tertiary study funding options          | 3       |       | Internal   |
| US28094 | Produce a balanced budget and adjust the budget to reflect changing financial circumstances         | 3       |       | Internal   |
| US28095 | Analyse personal financial investment opportunities   | 3       |       | Internal   |
| US28096 | Evaluate and select insurance product types in relation to events for personal finances             | 3       |       | Internal   |
| US28097 | Evaluate and select personal banking products and services in relation to personal financial needs  | 3       |       | Internal   |

**This Course leads to:** 13FIN for which the entry requirement is 9 credits in 12FIN, 12ECO, 12ACC or by HoD approval.

### 13BUS - Business Studies

**Entry Requirement:** Open entry.

Provides a deeper understanding of complex business issues by studying New Zealand businesses operating in a global context. Students will learn how management, leadership and decision-making can improve performance in marketing, operational, financial and human resources. Students get a chance to study agribusiness and relate to concepts of kaitiakitanga and recognise the importance of the agricultural sector in the NZ economy. The course offers a field trip to an agribusiness and opportunities to guest speakers from global businesses. The knowledge and skills gained on this course can be utilised in a huge range of business and management fields, are transferable across many areas of study and professions and can be used to manage your personal decision-making, planning and finances.

| Number  | Name of Standard  | Credits | UE Lit        | Assessment |
|---------|---|---------|---------------|------------|
| AS91379 | Demonstrate understanding of internal factors within a business in a global context         | 4       | Read<br>Write | External   |
| AS91381 | Apply business knowledge to address a complex problem(s) in a given global business context | 4       | Read<br>Write | External   |
| AS91871 | Analyse how a product meets market needs through innovation in the value chain              | 4       | Read          | Internal   |
| AS91869 | Analyse future proofing strategies to ensure long term viability of the business.           | 4       | Read          | Internal   |
| AS91383 | Analyse a human resource issue affecting businesses   | 4       | Read          | Internal   |

### 13FIN - Financial Literacy

**Entry Requirement:** 9 credits in 12FIN, 12ECO, 12ACC or by HoD approval.

**Course Content:** This course will start students on a path towards being in control of their financial futures. Students will gain an introduction to the concept of money management and long-term financial planning. The year will begin by analysing opportunities to increase personal wealth, understanding the financial options available when purchasing a property and the risk and return on investment options. It equips students with complex interest and mortgage calculations, making wise investment decisions, critical thinking and problem solving skills. The course prepares students for real life financial decision making.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US28098 | Evaluate options to increase personal income   | 3       |        | Internal   |
| US28099 | Analyse and compare credit options and recommend strategies to manage personal finances    | 3       |        | Internal   |
| US28100 | Develop a plan to achieve a long-term personal financial goal(s)                           | 4       |        | Internal   |
| US28102 | Demonstrate understanding of risk and return for a personal financial investment portfolio | 4       |        | Internal   |
| US28104 | Analyse the impact(s) of external factors on personal finances                             | 3       |        | Internal   |



## TE REO PĀKEHĀ / ENGLISH

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| <b>Year 12</b>     |                        |      |
| 12ENG              | English with Externals | 34   |
| 12ENI              | English Internal       | 34   |
| <br><b>Year 13</b> |                        |      |
| 13ENG              | English with Externals | 35   |
| 13ENI              | English Internal       | 35   |

## 12ENG - English with Externals

*This course is strongly recommended for the majority of the cohort, especially for those who are aiming for subject endorsements. Students can gain their 5 writing and 5 reading UE Literacy credits in this course.*

**Course Content:** The course consists of two internal and three external standards which help students to develop their skills in literature studies (novel, short stories, poetry, film), research, and writing (creative and formal). Students will be expected to complete both internal standards and at least TWO external standards.

| Number  | Name of Standard   | Credits | UE Lit        | Assessment |
|---------|--|---------|---------------|------------|
| AS91098 | Analyse specified aspect(s) of studied written text(s), supported by evidence                          | 4       | Read<br>Write | External   |
| AS91099 | Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence                   | 4       | Write         | External   |
| AS91100 | Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence | 4       | Read<br>Write | External   |
| AS91101 | Produce a selection of crafted and controlled writing  | 6       | Write         | Internal   |
| AS91105 | Use information literacy skills to form developed conclusion(s)  | 3       | Read          | Internal   |

**This Course leads to 13ENG or 13ENI**

## 12ENI – English Internal

*This course is strongly recommended for students who are not aiming for subject endorsements as it is an internal based programme.*

**Course Content:** Within this internal assessment course, students undertake some UE literacy credits. For those who enter into this class they will be expected to complete at least two internal assessments which are designed to develop their writing and independent research skills. Possible standards that you may be entered into in this course:

| Number                     | Name of Standard  | Credits | UE Lit | Assessment |
|----------------------------|---|---------|--------|------------|
| AS91101                    | Produce a selection of crafted and controlled writing               | 6       | Write  | Internal   |
| AS91105                    | Use information literacy skills to form developed conclusion(s)     | 4       | Read   | Internal   |
| <b>Optional</b><br>AS91104 | Analyse significant connections across texts, supported by evidence | 4       |        | Internal   |
| <b>Optional</b><br>AS91102 | Construct and deliver a crafted and controlled oral text            | 3       |        | Internal   |

**This Course leads to 13ENI**

### 13ENG – English with Externals

*This course is strongly recommended for the majority of the cohort, especially for those who are aiming for subject endorsements or university entrance.*

**Entry requirements:** 10 credits in 12ENI or 12ENG, which must include the writing standard AS91101, or Head of Faculty approval.

**Course Content:** The course consists of several internal and external standards which help students to develop their skills in literature studies (novel, short stories, poetry, film), research, and writing (creative and formal). Students will be expected to complete both internal standards and at least TWO external standards.

Possible standards that you may be entered into in this course:

| Number  | Name of Standard   | Credits | UE Lit        | Assessment |
|---------|--|---------|---------------|------------|
| AS91472 | Respond critically to specified aspects of studied written texts supported by evidence                             | 4       | Read<br>Write | External   |
| AS91473 | Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence                 | 4       | Write         | External   |
| AS91474 | Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence | 4       | Read<br>Write | External   |
| AS91475 | Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas                  | 6       | Write         | Internal   |
| AS91479 | Develop an informed understanding of literature and/or language using critical texts                               | 4       | Read          | Internal   |

### 13ENI – English Internal

*This course is not recommended for those seeking subject endorsement. Unless students undertake an optional standard it does not offer the necessary 14 credits to be used as a UE course*

**Entry requirements:** 10 credits in 12ENI or 12ENG or Head of Faculty approval.

**Course Content:** Students undertake various topics such as Social Media issues and looking at the world in which we live through various lenses. Texts include a variety of visual texts (including graphic, podcasts, Youtube and film) plus written short texts and longer texts as necessary. Internal standards covered will be a selection of writing, oral presentations, close viewing and creating a visual text. This course is not recommended for students who are aiming for subject endorsement. Students will select one of the three optional standards available:

| Number                     | Name of Standard  | Credits | UE Lit | Assessment |
|----------------------------|---|---------|--------|------------|
| AS91478                    | Respond critically to significant connections across texts, supported by evidence                                       | 4       |        | Internal   |
| AS91480                    | Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence    | 3       |        | Internal   |
| <b>Optional</b><br>AS9145  | Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas                       | 6       | Write  | Internal   |
| <b>Optional</b><br>AS91476 | Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas                       | 3       |        | Internal   |
| <b>Optional</b><br>AS91477 | Create a fluent and coherent visual text which develops, sustains and structures ideas using verbal and visual language | 3       |        | Internal   |

## ENGLISH for Speakers of Other Languages

### 12ESL – English for Speakers of Other Languages

**Entry Requirement:** Year 12 students with non-English speaking background and HoD ESOL approval.

**Course Content:** Assistance with proficiency in conversation, written grammar and further vocabulary acquisition. Level 2 ESOL Unit Standards will be offered.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US4252  | Produce a personal targeted CV   | 2       |        | Internal   |
| US28001 | Complete a form (EL)   | 5       |        | Internal   |
| US30980 | Demonstrate understanding of a straightforward spoken texts on a familiar topic (EL) | 5       |        | Internal   |
| US30995 | Read and understand a straightforward text on a familiar topic (EL)                  | 5       |        | Internal   |

This course leads to 13ESL

### 13ESL – English for Speakers of Other Languages

**Entry Requirement:** Year 13 students with non-English speaking background and HoD ESOL approval.

**Course Content:** This course provides assistance with proficiency in conversation, written grammar and further vocabulary acquisition.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US30990 | Demonstrate understanding of a spoken interaction in a familiar context(EL) | 5       |        | Internal   |
| US30997 | Read and understand a text on a familiar topic (EL)                         | 5       |        | Internal   |
| US31027 | Deliver a developed presentation on a familiar topic (EL)                   | 5       |        | Internal   |

### 12EUE & 13EUE - English for University Entrance (ESOL)

**Entry Requirement:** This is a course for ESOL students

**Course Content:** This is intended to be a two year course. By successfully completing this course students will fulfil the literacy requirements for University Entrance literacy.

| Number  | Name of Standard   | Credits | UE Lit        | Assessment |
|---------|--|---------|---------------|------------|
| US22751 | Read and process information in English for academic purposes  | 6       | Read          | Internal   |
| AS91098 | Analyse specified aspect(s) of studied written text(s), supported by evidence                          | 4       | Read<br>Write | External   |
| AS91099 | Analyse specified aspect(s) of studied visual or oral text(s), supported by evidence                   | 4       | Write         | External   |
| AS91100 | Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence | 4       | Read<br>Write | External   |

## TE TIKANGA-Ā-IWI / HUMANITIES

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| <br><b>Year 13</b>           |      |
| 13CLS      Classical Studies | 40   |
| 13GEO      Geography         | 41   |
| 13HIS      History           | 41   |
| 13SOC      Social Studies    | 42   |
| 13TOU      Tourism           | 42   |

## 12CLS – Classical Studies

**Course Content:** This course involves the study of topics relating to Greek life and culture. The topics include: Greek Mythology, Homer's Odyssey, Athenian Art and Architecture. It is recommended students taking Level 2 Classical Studies can write a well structured and well supported paragraph and have their NCEA Literacy.

| Number                     | Name of Standard   | Credits | UE Lit        | Assessment |
|----------------------------|--|---------|---------------|------------|
| AS91200                    | Examine ideas and values of the classical world  | 4       | Read<br>Write | External   |
| <b>Optional</b><br>AS91201 | Examine the significance of features of work(s) of art in the classical world (optional)       | 4       | Read<br>Write | External   |
| AS91202                    | Examine a significant event in the classical world   | 4       | Read          | Internal   |
| AS91204                    | Demonstrate understanding of the influence of aspects of the classical world on other cultures | 6       | Read          | Internal   |

**This Course leads to** 13CLS for which the requirement is 10 credits in 12CLS or 12ARH including achievement of both an internal and external standard, or 10 credits in 12ENG including achievement of an external standard.

## 12GEO - Geography

**Course Content:** Geography is all around us. In this course you will learn about how people affect and shape our world and how our world affects and shapes us. We will learn more about Climate Change and decide on the best way to tackle it. We will then do something about Climate Change and carry out a personal action in our community. We will go on an overnight trip to Tongariro National Park and carry out research in the field. We will also use GIS to help decide where to locate a viewing platform in the National Park. You will also develop Geographic skills like mapping, graphing and resource interpretation. Students taking Level 2 Geography should have NCEA Literacy and be able to write a well structured paragraph using a case study and have attention to detail for things like names of places.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS90810 | Undertake a personal action, with reflection, that contributes to a sustainable future  | 6       | Read   | Internal   |
| AS91243 | Apply geography concepts and skills to demonstrate understanding of a given environment | 4       |        | External   |
| AS91244 | Conduct geographic research with guidance   | 5       |        | Internal   |
| AS91245 | Explain aspects of a contemporary New Zealand geographic issue                          | 3       |        | Internal   |
| AS91247 | Apply spatial analysis, with guidance, to solve a geographic problem                    | 3       |        | Internal   |

**This Course leads to** 13GEO for which the entry requirement is 10 credits in 12GEO

## 12HIS - History

**Course Content:** Persecution is a theme that runs throughout the histories of many different places, cultures and people all over the world. Through looking at the Salem Witch Trials, Genocides and the changing face of persecution in New Zealand students will aim to gain an understanding of how persecution has changed our world to create the world we know now. Students will continue to develop their ability to understand, process and interpret the increasingly available information. Students taking Level 2 History should have NCEA Literacy and be able to write a well structured essay using evidence like quotes and dates.

| Number  | Name of Standard  | Credits | UE Lit        | Assessment |
|---------|---|---------|---------------|------------|
| AS91229 | Carry out a planned inquiry of an historical event, or place, of significance to New Zealanders     | 4       | Read          | Internal   |
| AS91230 | Examine an historical event, or place, of significance to New Zealanders                            | 5       | Read          | Internal   |
| AS91232 | Interpret different perspectives of people in an historical event of significance to New Zealanders | 5       | Read          | Internal   |
| AS91233 | Examine causes and consequences of a significant historical event                                   | 5       | Read<br>Write | External   |

**This Course leads to:** 13HIS for which the entry requirement is 10 credits in 12HIS including AS91233.

## 12SOC – Social Studies

**Course Content:** In Level 2 Social Studies students will look at a variety of issues associated with how people and communities exercise their rights and uphold their responsibilities. This will include a study of poverty in New Zealand and taking direct action to tackle the issue working with the local food bank. We also examine the treatment of women and how conflict can arise from different cultural beliefs and ideas about women's role in society.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91281 | Describe how cultural conflict(s) can be addressed  | 4       |        | External   |
| AS91279 | Demonstrate understanding of conflict(s) arising from different cultural beliefs and ideas                    | 4       |        | External   |
| AS91280 | Conduct a reflective social inquiry   | 5       | Read   | Internal   |
| AS91283 | Describe a social action that enables communities and/or nations to meet responsibilities and exercise rights | 4       | Read   | Internal   |
| AS91282 | Describe personal involvement in a social action related to rights and responsibilities                       | 5       |        | Internal   |

**This Course leads to** 13SOC for which the entry requirement is 9 credits including AS91280 and AS91279 or by HoD approval.

## 12TOA – Tourism A

**Course Content:** This course will emphasise knowledge of New Zealand and the Pacific Islands from a geographical, historical and tourism perspective and includes the role and significance of Tourism within a New Zealand setting. It will also assess a range of generic tourism Unit Standards.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US3727  | Demonstrate knowledge of Pacific Island countries as tourist destinations | 5       |        | Internal   |
| US24724 | Demonstrate knowledge of the history of tourism                           | 4       |        | Internal   |
| US24726 | Describe and compare social and cultural impacts of tourism               | 3       |        | Internal   |
| US24728 | Demonstrate knowledge of work roles in tourism                            | 3       |        | Internal   |
| US24731 | Demonstrate knowledge of destination New Zealand                          | 4       |        | Internal   |

**This Course leads to 13TOU**

## 12TOB – Tourism B

**Course Content:** A large part of this course will emphasise knowledge of Australia and the rest of the World as tourist destinations. Knowledge and skills required for working in the tourism and travel industry are studied, as are generic tourism Unit Standards.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US18211 | Demonstrate knowledge of Australia as a tourist destination             | 5       |        | Internal   |
| US24727 | Describe and compare the impacts of tourism on the physical environment | 3       |        | Internal   |
| US24729 | Demonstrate knowledge of world tourist destinations                     | 4       |        | Internal   |
| US24730 | Demonstrate knowledge of the business of tourism                        | 4       |        | Internal   |
| US24732 | Demonstrate knowledge of tourist characteristics and needs              | 3       |        | Internal   |

**This Course leads to 13TOU**

## 13CLS - Classical Studies

**Entry Requirement:** 10 credits in 12CLS or 12ARH including achievement of both an internal and external standard, or 12 credits in 12ENG including achievement of an external standard or by HoD approval.

**Course Content:** This course involves the study of topics relating to Roman life and culture. The topics will include: Virgil's *Aeneid*, Roman Art and Architecture, and Alexander the Great.

| Number  | Name of Standard   | Credits | UE Lit        | Assessment |
|---------|--|---------|---------------|------------|
| AS91394 | Analyse ideas and values of the classical world  | 4       | Read<br>Write | External   |
| AS91395 | Analyse the significance of a work(s) of art in the classical world (optional)                           | 4       | Read<br>Write | External   |
| AS91397 | Demonstrate understanding of significant ideology(ies) in the classical world                            | 6       | Read          | Internal   |
| AS91398 | Demonstrate understanding of the lasting influences of the classical world on other cultures across time | 6       | Read          | Internal   |



### 13GEO - Geography

**Entry Requirement:** 10 credits in 12GEO or by HoD approval.

**Course Content:** Geography is all around us. In this course you will learn about how people affect and shape our world and how our world affects and shapes us. At Level 3 you will be learning about topics that affect you. We will be learning about coastal processes that shape our beaches and headlands using the case study of Muriwai Beach. You will also collect data and carry out research at Muriwai. We will use GIS, a powerful online mapping tool to solve Rosehill College's student car parking problems. You will be able to choose an issue that is affecting our world today related to either fresh water or energy. We will also be learning about what creates global patterns and why things such as Climate Change or the impacts of the clothing industry aren't the same in every country around the world.

| Number  | Name of Standard  | Credits | UE Lit        | Assessment |
|---------|---|---------|---------------|------------|
| AS91426 | Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment | 4       | Read<br>Write | External   |
| AS91433 | Apply spatial analysis, with consultation, to solve a geographic problem                                  | 3       |               | Internal   |
| AS91430 | Conduct geographic research with consultation   | 5       |               | Internal   |
| AS91431 | Analyse aspects of a contemporary geographic issue  | 3       | Read          | Internal   |
| AS91432 | Analyse aspects of a geographic topic at a global scale   | 3       | Read          | Internal   |

### 13HIS - History

**Entry Requirement:** 10 credits in 12HIS, including AS91233 or by HoD approval.

**Course Content:** This course involves the study of two topics and their long and short term impacts; Atomic bombing of Hiroshima and 19th century New Zealand Peace and War.

| Number  | Name of Standard   | Credits | UE Lit        | Assessment |
|---------|--|---------|---------------|------------|
| AS91434 | Research an historical event or place of significance to New Zealanders, using primary and secondary sources | 5       | Read          | Internal   |
| AS91435 | Analyse an historical event, or place, of significance to New Zealanders                                     | 5       | Read          | Internal   |
| AS91437 | Analyse different perspectives of a contested event of significance to New Zealanders                        | 5       | Read          | Internal   |
| AS91438 | Analyse the causes and consequences of a significant historical event  | 6       | Read<br>Write | External   |

### 13SOC – Social Studies

**Entry Requirement:** 9 credits from 12SOC including AS91280 and AS91279, or by HoD approval.

**Course Content:** In Level 3, Social Studies students will look at a variety of issues and associated policy decisions and how these have impacted on society. Students will choose their own areas of interest for the 3 internal standards. This will entail researching a contemporary social issue, describing the work a group or person has done in this area to change policy, and actively taking action themselves to attempt to effect policy change in their chosen area. The external focus is an examination of the ideologies of feminism and patriarchy and how they have shaped the lives of men and women in New Zealand society.

| Number  | Name of Standard   | Credits | UE Lit        | Assessment |
|---------|--|---------|---------------|------------|
| AS91597 | Conduct a critical social inquiry  | 6       | Read          | Internal   |
| AS91598 | Demonstrate understanding of how ideologies shape society                            | 4       | Read<br>Write | External   |
| AS91596 | Demonstrate understanding of ideological responses to an issue                       | 4       | Read<br>Write | External   |
| AS91599 | Examine personal involvement in a social action that aims to influence policy change | 6       | Read          | Internal   |
| AS91600 | Examine a campaign of social action(s) to influence policy change(s)                 | 4       | Read          | Internal   |

### 13TOU – Tourism

**Entry Requirements:** 10 credits in one of Tourism A or B, (including at least one of US18211 or US3727), Business Studies, Classical Studies, Economics, English, Geography, History, Social Studies, or by HoD approval.

**Restrictions:** Students cannot take 12TOA, 12TOB and 13TOU in the one year

**Course Content:** This course is all internally assessed and develops a sound knowledge of New Zealand from a geographical and tourism perspective. Students learn about New Zealand as a tourist destination and also focus in depth on three regions as tourist destinations. Asian countries as tourist destinations are also studied.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US18211 | Demonstrate knowledge of New Zealand as a tourist destination  | 8       |        | Internal   |
| US18228 | Demonstrate knowledge of specific New Zealand regions as tourist destinations                                    | 8       |        | Internal   |
| US26461 | Demonstrate knowledge of Asian countries as tourist destinations (via Travel Careers and Training accreditation) | 8       |        | Internal   |

## NGĀ REO / LANGUAGES

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| 12CHI   | Chinese | 44   |
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| 13CHI   | Chinese | 45   |
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## 12CHI - Chinese

**Course content:** Students learn to communicate information, ideas and opinions through increasingly complex and varied texts. They learn to explore the views of others, as well as to develop and share personal perspectives. Topics such as future careers, social interactions, as well as a film study are frequent topics. Within the parameters of these topics, students analyse and explore the Chinese language intertwined with Chinese history and geography.

| Number                     | Name of Standard  | Credits | UE Lit | Assessment |
|----------------------------|---|---------|--------|------------|
| <b>Optional</b><br>AS91109 | Interact using spoken Chinese to share information and justify ideas and opinions in different situations | 5       |        | Internal   |
| <b>Optional</b><br>AS91150 | Give a spoken presentation in Spanish that communicates information, ideas and opinions                   | 4       |        | Internal   |
| AS91110                    | Give a spoken presentation in Chinese that communicates information, ideas and opinions                   | 4       |        | Internal   |
| AS91111                    | Demonstrate understanding of a variety of written and/or visual Chinese text(s) on familiar matters       | 5       |        | External   |
| AS91112                    | Write a variety of text types in Chinese to convey information, ideas, and opinions in genuine contexts   | 5       |        | Internal   |

## 12SPA - Spanish

**Course Content:** Students learn to communicate information, ideas and opinions through increasingly complex and varied texts. They learn to explore the views of others, as well as to develop and share personal perspectives. Topics such as future careers, social interactions, the study of Spanish speaking countries, as well as a film study are frequent topics. Within the parameters of these topics, students analyse and explore the Spanish language intertwined with Hispanic history and geography.

| Number                     | Name of Standard  | Credits | UE Lit | Assessment |
|----------------------------|---|---------|--------|------------|
| <b>Optional</b><br>AS91149 | Interact using spoken Spanish to share information and justify ideas and opinions in different situations | 5       |        | Internal   |
| <b>Optional</b><br>AS91150 | Give a spoken presentation in Spanish that communicates information, ideas and opinions                   | 4       |        | Internal   |
| AS91148                    | Demonstrate understanding of a variety of spoken Spanish texts on familiar matters                        | 5       |        | External   |
| AS91151                    | Demonstrate understanding of a variety of written and/or visual Spanish text(s) on familiar matters       | 5       |        | External   |
| AS91152                    | Write a variety of text types in Spanish to convey information, ideas, and opinions in genuine contexts   | 5       |        | Internal   |

**This Course leads to 13SPA for which the entry requirement is 9 credits in 12SPA**

### 13CHI - Chinese

**Course Content:** students learn to use the Chinese language variably and effectively to express and justify their own ideas and opinions and support or challenge those of others. They also learn to interpret and respond critically to texts, to engage in sustained interactions and produce extended text. The course includes the study of literature and film as well as media, current events and global issues. Within the parameters of these topics, students analyse and explore the Chinese language intertwined with Chinese history and geography. Students work throughout the year on at least one internal standard and two external standards.

| Number                     | Name of Standard   | Credits | UE Lit | Assessment |
|----------------------------|--|---------|--------|------------|
| <b>Optional</b><br>AS91535 | Interact clearly using spoken Chinese to explore and justify varied ideas and perspectives in different situations | 6       |        | Internal   |
| <b>Optional</b><br>AS91534 | Give a clear spoken presentation in Chinese that communicates a critical response to stimulus material             | 3       |        | Internal   |
| AS91110                    | Give a spoken presentation in Chinese that communicates information, ideas and opinions                            | 4       |        | Internal   |
| AS91536                    | Demonstrate understanding of a variety of extended written and/or visual Chinese texts                             | 5       |        | External   |
| AS91537                    | Write a variety of text types in Chinese to explore and justify varied ideas and perspectives                      | 5       |        | Internal   |

### 13SPA - Spanish

**Entry Requirement:** 9 credits in 12SPA or by HoD approval.

**Course Content:** Students learn to use the Spanish language variably and effectively to express and justify their own ideas and opinions and support or challenge those of others. They also learn to interpret and respond critically to texts, to engage in sustained interactions and produce extended text. The course includes the study of literature and film as well as media, current events and global issues. Within the parameters of these topics, students analyse and explore the Spanish language intertwined with Hispanic history and geography. Students work throughout the year on at least one internal standard and up to three external standards.

| Number                     | Name of Standard   | Credits | UE Lit | Assessment |
|----------------------------|--|---------|--------|------------|
| AS91568                    | Demonstrate understanding of a variety of extended spoken Spanish texts  | 5       |        | External   |
| <b>Optional</b><br>AS91596 | Give a clear spoken presentation in Spanish that communicates a critical response to stimulus material             | 3       |        | Internal   |
| <b>Optional</b><br>AS91570 | Interact clearly using spoken Spanish to explore and justify varied ideas and perspectives in different situations | 6       |        | Internal   |
| AS91571                    | Demonstrate understanding of a variety of extended written and/or visual Spanish texts                             | 5       |        | External   |
| AS91572                    | Write a variety of text types in clear Spanish to explore and justify varied ideas and perspectives                | 5       |        | Internal   |

# TE REO MĀORI

## 12MAO - Te Reo Māori

**Course Content:** In this course students are increasingly confident in using a range of strategies to learn Te Reo Māori at Level 7. Te Reo will be used to communicate with others in a range of Māori kaupapa contexts. The current course leads toward work in community, Government, health and education services. Students will be required to attend 2 compulsory NCEA Te Reo Wānanga sessions each term. Reo wānanga will be held at the Wharenuī Moemoeā, and are offered as extra support to assist the development of second language acquisition for second language learners. The wānanga run from 3.30pm-6pm. Dates of wānanga will be set in the new year. Involvement in Kapa Haka and the Mau Rākau Programme is strongly recommended.

| Number                     | Name of Standard                                  | Credits | UE Lit | Assessment |
|----------------------------|---|---------|--------|------------|
| <b>Optional</b><br>AS91284 | Whakarongo kia mōhio ki te reo o te ao torotoro   | 4       |        | Internal   |
| AS91285                    | Kōrero kia whakamahi i te reo o te ao torotoro    | 6       |        | Internal   |
| <b>Optional</b><br>AS91286 | Pānui kia mōhio ki te reo o te ao torotoro        | 6       | Read   | External   |
| AS91287                    | Tuhi i te reo o te ao torotoro                    | 6       | Write  | External   |
| AS91288                    | Waihanga tuhinga auaha, i te reo o te ao torotoro | 6       | Write  | Internal   |

**This Course leads to** 13MAO for which the entry requirement is 10 credits 12MAO or HoF approval.

## 13MAO - Te Reo Māori

**Entry Requirement:** 10 credits 12MAO or HoF approval for students without previous experience.

**Course Content:** This course follows on from Level 2 Te Reo Māori and students are increasingly confident in using a range of strategies to learn Te Reo Māori at Level 8. They learn how to communicate with others in a range of Māori kaupapa contexts. Students will be required to attend 2 compulsory NCEA Te Reo Wānanga sessions each term. Reo wānanga will be held at the Wharenuī Moemoeā and are offered as extra support to assist the development of second language acquisition for second language learners. The wānanga run from 3.30pm-6pm. Dates of wānanga will be set in the new year. This current course contributes toward careers in community, Government, health and education services and is a university approved course of study.

| Number                     | Name of Standard   | Credits | UE Lit | Assessment |
|----------------------------|--|---------|--------|------------|
| AS91650                    | Whakarongo kia mōhio ki te reo Māori o te ao whānui      | 4       |        | Internal   |
| AS91651                    | Kōrero kia whakamahi i te reo Māori o te ao whānui       | 6       |        | Internal   |
| <b>Optional</b><br>AS91652 | Pānui kia mōhio ki te reo Māori o te ao whānui           | 6       | Read   | External   |
| <b>Optional</b><br>AS91653 | Tuhi i te reo Māori o te ao whānui                       | 6       | Write  | External   |
| AS91654                    | Waihanga tuhinga whai take i te reo Māori o te ao whānui | 6       | Write  | Internal   |

## LEARNING SUPPORT

### **12LSK - Life Skills**

A course that prioritises students with special education needs. This is part of the Pathways to Success Programme and has limited entry to other students.

### **M4 Seniors**

This is an individual programme of learning devised with students, their families, and their support networks. The M4 Senior programme offers intensive support for those with special educational needs.

# PĀNGARAU / MATHEMATICS

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| 13MAS Mathematics with Statistics | 50   |
| 13MAT Mathematics                 | 50   |



### 12MAC - Mathematics with Calculus

**Course Content:** This course relies heavily on Algebra skills and the ability to solve word problems using mathematical knowledge. It is not a course for students who have struggled to achieve well in NCEA Level 1 Mathematics courses. It is strongly recommended that students have achieved a Merit Grade in AS91027 to be able to have success in this course. It covers all strands of the National Curriculum: Number and Algebra, Measurement and Geometry, Statistics and Probability and includes Calculus and Trigonometry.

| Number  | Name of Standard                               | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91257 | Apply graphical methods in solving problems    | 4       |        | Internal   |
| AS91261 | Apply algebraic methods in solving problems    | 4       |        | External   |
| AS91262 | Apply calculus methods in solving problems     | 5       |        | External   |
| AS91269 | Apply systems of equations in solving problems | 2       |        | Internal   |

**This Course leads to** 13MAC, 13MAT, 13MAS

### 12MAS – Mathematics with Statistics

**Course Content:** This course in particular covers the Statistics and Probability internal and external standards. This work will be supported by the other strands of the National Curriculum, which will be covered and assessed using selected, mostly internally assessed, standards.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91260 | Apply network methods in solving problems                                  | 2       |        | Internal   |
| AS91264 | Use statistical methods to make an inference                               | 4       |        | Internal   |
| AS91265 | Conduct an experiment to investigate a situation using statistical methods | 3       |        | Internal   |
| AS91267 | Apply probability methods in solving problems                              | 4       |        | External   |
| AS91268 | Investigate a situation involving elements of chance using a simulation    | 2       |        | Internal   |

**This Course leads to** 13MAS or 13MAT Note: Students taking 12MAS will not have the entry requirements for 13MAC

### 13MAC - Mathematics with Calculus

**Entry Requirement:** Students who have achieved AS91262: Calculus and AS91261: Algebra (at Merit level).

**Course Content:** This course continues the more theoretical aspects of Mathematics with particular emphasis on Calculus. Physics students are recommended to also take Calculus.

| Number                   | Name of Standard  | Credits      | UE Lit | Assessment                 |
|--------------------------|---|--------------|--------|----------------------------|
| AS91577                  | Apply the algebra of complex numbers in solving problems  | 5            |        | External                   |
| AS91578                  | Apply differentiation methods in solving problems   | 6            |        | External                   |
| AS91579<br>OR<br>AS91574 | Apply integration methods in solving problems<br>OR<br>Apply linear programming methods in solving problems | 6<br>OR<br>3 |        | External<br>OR<br>Internal |
| AS91587                  | Apply systems of simultaneous equations in solving problems   | 3            |        | Internal                   |

### 13MAS – Mathematics with Statistics

**Entry Requirement:** 10 credits in 12MAC or 12MAS, including AS91267 and AS91264, or by HoD approval.

**Course Content:** This provides a course in statistical procedures and extends NCEA Level 2 work on algebraic, graphical and computational skills.

| Number  | Name of Standard                                    | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91580 | Investigate Time Series data                        | 4       |        | Internal   |
| AS91581 | Investigate bivariate measurement data              | 4       |        | Internal   |
| AS91582 | Use statistical methods to make a formal inference  | 4       |        | Internal   |
| AS91585 | Apply probability concepts in solving problems      | 4       |        | External   |
| AS91586 | Apply probability distributions in solving problems | 4       |        | External   |

### 13MAT – Mathematics

**Entry Requirement:** 10 credits in 12MAC or 12MAS, which should include some statistics standards such as AS91267; Probability, or AS91264; Statistical inference, or by HoD Approval

**Course Content:** This is a mixture of Mathematics and Statistics Standards and is aimed at students who want to achieve Level 3 Mathematics but do not specifically want or need a pure Calculus or pure Statistics course. Students need to thoroughly check if this course will meet your future needs.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91574 | Apply linear programming methods in solving problems        | 3       |        | Internal   |
| AS91576 | Use critical path analysis in solving problems              | 2       |        | Internal   |
| AS91580 | Investigate time series data                                | 4       |        | Internal   |
| AS91585 | Apply probability concepts in solving problems              | 4       |        | External   |
| AS91587 | Apply systems of simultaneous equations in solving problems | 3       |        | Internal   |

## AKORANGA KOIRI ME HAUORA / PHYSICAL EDUCATION and HEALTH

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| 13PEL          | Physical Education: Sports Leadership | 54   |
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| 13PST          | Police Studies                        | 55   |

### NOTES AND RESTRICTIONS

- 12PED cannot be taken with 12PEO
- 13PED cannot be taken with 13PEO
- Students at Level 3 who are taking Police Studies can only take one other Physical Education course.
- Health Education can be taken in combination with a Physical Education course or on its own

## 12HEA – Health Education

**Course Content:** This course builds on the knowledge that students have gained from participating in Level 1 Health Education. Students will examine adolescent issues and the possible short and long-term consequences on their wellbeing. The course also looks at the concept of resilience and an individual's ability to manage change. Students will also examine issues surrounding gender identity, sexuality identity and their relation to social justice. A major topic is based around critical action where the students develop, implement and evaluate a plan to enhance hauora/wellbeing of students in the school or in the community.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91235 | Analyse an adolescent health issue   | 5       |        | External   |
| AS91236 | Evaluate factors that influence people's ability to manage change                              | 5       |        | Internal   |
| AS91237 | Take action to enhance an aspect of people's wellbeing within the school or wider community    | 5       |        | Internal   |
| AS91239 | Analyse issues related to sexuality and gender to develop strategies for addressing the issues | 5       |        | Internal   |

**This Course leads to** 13HEA for which the entry requirement is 10 credits from 12HEA with 5 from the External

## 12PED - Physical Education

**Course Content:** Students will utilise social responsibility and leadership skills to develop learning for self and others in a physical environment. Principles of anatomy, biomechanics and skill development are investigated and used to increase performance in Badminton. The sociological significance of a major sporting event is also explored. Students will have the opportunity to showcase their physical capabilities in the game of Touch Rugby and Badminton.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91328 | Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills          | 5       |        | Internal   |
| AS91330 | Perform a physical activity in an applied setting  | 4       |        | Internal   |
| AS91334 | Consistently demonstrate social responsibility through applying a social responsibility model in physical activity | 3       |        | Internal   |
| AS91336 | Analyse group processes in physical activity   | 3       |        | Internal   |
| AS91327 | Examine the role and significance of physical activity in the lives of young people in New Zealand                 | 3       |        | Internal   |

**This Course leads to** 13PED for which the entry requirement is 12 credits from 12PED.

## 12PEL – Sports Leadership

**Course Content:** This course allows students to identify and enhance their potential in the sport and recreation arena by increased understanding and knowledge. Aspects covered include how to plan, and officiate a sporting event, understanding of anatomical functions and terms, and the development of personal skills through adventure based learning.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US467   | Demonstrate personal and social development through participation in adventure based learning     | 3       |        | Internal   |
| US31388 | Carry out pre event preparation and apply rules of the sport whilst officiating                   | 10      |        | Internal   |
| US21649 | Apply knowledge of basic anatomy to the performance of sport skills                               | 3       |        | Internal   |
| US22770 | Demonstrate knowledge of sports coaching, the coaching environment, and sport participants' needs | 4       |        | Internal   |

**This Course leads to** 13PEL.

## 12PEO - Outdoor Education

Students are selected to take this course based on performance in 11PEA/PED

**Camp Cost:** The cost for 2022 was \$350

**Course Content:** Students will develop their practical skills in outdoor pursuits. Group processes, leadership and safety management strategies will be applied during the year. Students will also examine their planning and implementation of these plans in a challenging context.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91330 | Perform a physical activity in an applied setting   | 4       |        | Internal   |
| AS91332 | Evaluate leadership strategies that contribute to the effective functioning of a group                              | 4       |        | Internal   |
| AS91333 | Analyse the application of risk management strategies to a challenging outdoor activity                             | 3       |        | Internal   |
| AS91334 | Consistently demonstrate social responsibility through applying a social responsibility model in physical activity. | 3       |        | Internal   |
| AS91335 | Examine the implementation and outcome(s) of a physical activity event or opportunity                               | 3       |        | Internal   |
| AS91336 | Analyse group processes in physical activity.   | 3       |        | Internal   |

**This Course leads to** 13PEO for which the entry requirement is 12 credits from 12PEO. This class is also limited to 20 students only.

### 13HEA – Health Education

**Entry Requirement:** 10 credits from 12HEA, including 5 credits from the external, or by HoD approval.

**Course Content:** This course focuses on analysing current societal issues impacting New Zealand and as well as international health issues affecting specific populations. During this course students will analyse a health issue that is current in New Zealand's society as well as analysing a current international health issue. Students will also examine a contemporary dilemma and/or ethical issue in relation to wellbeing as well as evaluating different health practices used to treat and manage common health conditions.

| Number  | Name of Standard  | Credits | UE Lit        | Assessment |
|---------|---|---------|---------------|------------|
| AS91461 | Analyse a New Zealand health issue                            | 5       | Read          | Internal   |
| AS91462 | Analyse an international health issue                         | 5       | Read<br>Write | External   |
| AS91463 | Evaluate health practices currently used in New Zealand       | 5       | Read          | Internal   |
| AS91464 | Analyse a contemporary ethical issue in relation to wellbeing | 4       | Read          | Internal   |

### 13PED - Physical Education

**Entry Requirement:** 12 credits from 12PED or by HoD approval.

**Course Content:** This is an academic course where theory and principles learned in 12PED Physical Education are put into practice. They will appraise performance and evaluate a programme for physical improvement. They will also demonstrate performance in a physical challenge and examine a current physical activity, event or trend impacting on New Zealand society.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91498 | Evaluate physical activity experiences to devise strategies for lifelong wellbeing               | 4       |        | Internal   |
| AS91499 | Analyse a physical skill performed by self or others   | 3       |        | Internal   |
| AS91500 | Evaluate the effectiveness of a performance improvement programme                                | 4       | Read   | Internal   |
| AS91501 | Demonstrate quality performance of a physical activity in an applied setting                     | 4       |        | Internal   |
| AS91502 | Examine a current physical activity event, trend, or issue and its impact on New Zealand society | 4       | Read   | Internal   |

### 13PEL – Sports Leadership

**Entry Requirement:** 8 credits from 12PEL or by HoD approval.

**Course Content:** This course uses sport as an excellent vehicle for learning many of the skills required in other areas of education and life. In particular the focus will be through "Sport Leadership", students may gain confidence, learn about winning and losing, develop goal setting and learning strategies, develop communication skills, move outside their comfort zone and develop management strategies.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US21414 | Plan and run a recreation activity   | 4       |        | Internal   |
| US22768 | Conduct and review a beginner level coaching session   | 6       |        | Internal   |
| US22771 | Plan a beginner level coaching session for sport participants  | 6       |        | Internal   |
| US31675 | Demonstrate knowledge of the role and responsibilities of a coach and of coaching beginner level sport | 7       |        | Internal   |

### 13PEO - Outdoor Education

**Entry Requirement:** 12 credits in 12PEO or by HoD approval. This course will be limited to 20 students. Selection will be based on performance in the Level 2 Physical Education Achievement Standards.

**Overnight Camp Cost:** The cost for 2022 was \$985

**Course Content:** This is an academic course where the theory and principles learned in 12PEO are put into practice. Students will evaluate their outdoor education experiences and devise strategies for lifelong wellbeing. Safety management and its impact on New Zealand society will be investigated and students will also develop safety management strategies for an expedition. Leadership skills will be developed while participating in the outdoors.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US24663 | Demonstrate leadership while participating in an adventure based learning programme              | 3       |        | Internal   |
| AS91498 | Evaluate physical activity experiences to devise strategies for lifelong wellbeing               | 4       |        | Internal   |
| AS91501 | Demonstrate quality performance of a physical activity in an applied setting                     | 4       |        | Internal   |
| AS91502 | Examine a current physical activity event, trend, or issue and its impact on New Zealand society | 4       | Read   | Internal   |
| AS91504 | Analyse issues in safety management for outdoor activity to devise safety management strategies  | 3       | Read   | Internal   |

### 13PST – Police Studies

We are limited to only one class so if the course is oversubscribed the teacher and Senior Leadership team will select the students for the programme based on students' pathways and engagement at school.

**Course Content:** The New Zealand Police have developed an innovative and creative initiative to support the transition of Year 13 students into a career in New Zealand Police. This secondary school Police course aims to provide students with a common foundational level understanding of the knowledge, skills, attributes and attitudes associated with the Police and Policing, and potentially other agencies, in Aotearoa New Zealand. In addition to this, the course will provide an opportunity for students to explore the physical and leadership requirements of a police officer.

**Note:** The AS91501 is also assessed in 13PED. Students who are in both these courses will only be able to gain these credits once.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US4251  | Plan a career pathway  | 3       |        | Internal   |
| US1296  | Interview in informal situations   | 3       |        | Internal   |
| US1297  | Conduct an interview in a formal situation                                   | 5       |        | Internal   |
| US1307  | Speak to a known audience in a predictable situation                         | 3       |        | Internal   |
| US9681  | Contribute within a team or group which has an objective.                    | 3       |        | Internal   |
| US11097 | Listen actively to gain information in an active setting                     | 3       |        | Internal   |
| AS91501 | Demonstrate quality performance of a physical activity in an applied setting | 4       |        | Internal   |

## PŪTAIAO / SCIENCES

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## 12BIO - Biology

**Course Content:** This course offers a comprehensive study of biological concepts, from fundamental principles to complex systems. The course focuses on the processes of life and the mechanisms by which organisms, of a wide variety, sustain themselves. The investigative based study trip and laboratory activities are an essential component of this course. These give students the opportunity to experience 'hands-on' biology and develop a sense of the 'real life' biology that exists all around us. The main areas of study are: Cell Biology, Ecology, Genetic Variation and Change and Applied Biological Techniques.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91153 | Carry out a practical investigation in a biology context, with supervision | 4       |        | Internal   |
| AS91155 | Demonstrate understanding of animals to their way of life                  | 3       |        | Internal   |
| AS91157 | Demonstrate understanding of genetic variation and change                  | 4       | Write  | External   |
| AS91158 | Investigate a pattern in an ecological community                           | 4       |        | Internal   |
| AS91160 | Investigate biological material at the microscopic level                   | 3       |        | Internal   |

**This Course leads to** 13BIO for which the entry requirement is 11 credits in 12BIO, including AS91157, or by HoD approval.

## 12CHE - Chemistry

**Course Content:** This course offers students a comprehensive study of the field of Chemistry. The extensive practical component provides students with the opportunity to develop the essential skills of Chemistry and gain greater understanding by investigating chemical phenomena. The main areas of study are: Structure and Bonding in Substances, Organic Chemistry and Principles of Chemical Reactivity.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91910 | Carry out a practical investigation on a consumer product using quantitative analysis    | 4       |        | Internal   |
| AS91163 | Demonstrate understanding of the chemistry used in the development of current technology | 3       |        | Internal   |
| AS91164 | Demonstrate understanding of bonding, structure, properties and energy changes           | 5       |        | External   |
| AS91165 | Demonstrate understanding of the properties of selected organic compounds                | 4       |        | External   |
| AS91167 | Demonstrate understanding of oxidation - reduction                                       | 3       |        | Internal   |

**This Course leads to** 13CHE for which the entry requirement is 10 credits in 12CHE including AS91164 and AS91165.

## 12ELN - Electronics

**Course Content:** This course develops electronics skills used in the electronics industry. All prerequisite theory is covered, although the emphasis is on practical work. Basic circuits culminate in the design and construction of printed circuit boards (PCBs). Hands-on experience is an important part of this course.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US18239 | Knowledge of circuit concepts and measurements for electronics        | 5       |        | Internal   |
| US18240 | Demonstrate knowledge of basic Electronic components                  | 5       |        | Internal   |
| US18242 | Construct a simple printed circuit                                    | 3       |        | Internal   |
| US18243 | Construct simple electronic circuits from supplied circuit schematics | 6       |        | Internal   |

**This Course leads to** 13ELN for which the entry requirement is at least 10 credits 12ELN or by HoD approval.

## 12PHY - Physics

**Course Content:** Some of the exciting applications of physics studied include: use of radiation in medicine, electrical circuits in cars and the home, electricity generation by windmills, bungy-jumping, rips at surf beaches and automobile crash design. Practical work is an important part of the course. The main areas of study are: mechanics, electricity, atomic and nuclear physics, light and waves.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91168 | Carry out a practical physics investigation that leads to non linear mathematical relationship | 4       |        | Internal   |
| AS91171 | Demonstrate understanding of mechanics   | 6       |        | External   |
| AS91172 | Demonstrate understanding of atomic and nuclear physics  | 3       |        | Internal   |
| AS91173 | Demonstrate understanding of electricity and electromagnetism                                  | 6       |        | External   |

**This Course leads to** 13PHY for which the entry requirement is 10 credits in 12PHY and in 12MAC / 12MAS.

## 13BIO - Biology

**Entry Requirement:** 11 credits in 12BIO, including AS91157, or by HoD approval.

**Course Content:** Important biological issues including aspects of gene therapy, human impact on other life forms and the influence of the environment on the behaviour and evolution of organisms, including humans. Students undertake research activities and an investigation into the ecological niche of an organism and its relationship to its environment. Areas of study are: General Evolutionary Theory, Human Biological and Cultural Evolution, Animal Behaviour, Contemporary Biological Issues and Homeostasis in Animals.

| Number  | Name of Standard   | Credits | UE Lit        | Assessment |
|---------|--|---------|---------------|------------|
| AS91601 | Carry out a practical investigation in a biological context, with guidance                 | 4       |               | Internal   |
| AS91602 | Integrate biological knowledge to develop an informed response to a socio-scientific issue | 3       | Read          | Internal   |
| AS91604 | Demonstrate understanding of how an animal maintains a stable internal environment         | 3       | Read          | Internal   |
| AS91605 | Demonstrate understanding of evolutionary processes leading to speciation.                 | 4       | Read<br>Write | External   |
| AS91606 | Demonstrate understanding of trends in human evolution                                     | 4       | Read<br>Write | External   |

### 13CHE - Chemistry

**Entry requirement:** 10 credits in 12CHE including AS91164 and AS91165.

**Course Content:** This course builds upon the knowledge and skills acquired in the previous year to extend the student's understanding of chemical phenomena. The main areas of study are: Spectroscopy, Properties of Particles and Thermochemical Principles, Organic Chemistry, and Equilibrium Principles.

| Number  | Name of Standard  | Credits | UE Lit        | Assessment |
|---------|---|---------|---------------|------------|
| AS91388 | Demonstrate understanding of spectroscopic data in chemistry  | 3       |               | Internal   |
| AS91389 | Demonstrate understanding of the chemical processes in the world around us.                           | 3       | Read<br>Write | Internal   |
| AS91390 | Demonstrate understanding of thermochemical principles and the properties of particles and substances | 5       |               | External   |
| AS91391 | Demonstrate understanding of the properties of organic compounds                                      | 5       |               | External   |
| AS91393 | Demonstrate understanding of oxidation- reduction processes   | 3       |               | Internal   |

### 13ELN – Electronics

**Entry Requirement:** 10 credits from 12ELN or by HoD approval

**Course Content:** This course will enrich students' understanding of Physics and Electronics concepts. It is intended for students who are interested to pursue their career as electronics technicians or work in any electronics related/ICT industry. Students will develop their knowledge and skills in electronics to enable them to design circuits, programme using microcontrollers and make prototypes of products. The skills you will learn include: Basic circuitry, measurements and calculations, PCB design and construction skills, circuit design involving both discrete components and integrated circuits and programming. This course also gives you an understanding of procedures, processes, and teamwork applied in a typical electronics design and Hi-Tech company.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US9221  | Demonstrate knowledge of the development of an electronic product                                 | 3       |        | Internal   |
| US26119 | Construct and report on the performance of a programmable circuit                                 | 4       |        | Internal   |
| US26120 | Describe and construct circuits to demonstrate the operation and properties of electronic devices | 3       |        | Internal   |
| US26122 | Build electronic devices with ADC and DAC functions.  | 3       |        | Internal   |
| US26123 | Demonstrate knowledge of the practical application of logic circuits                              | 3       |        | Internal   |

### 13PHY - Physics

**Entry requirement:** 10 credits in 12PHY and 12MAC / 12MAS.

**Course Content:** This course builds on concepts established in Level 2 Physics. It will enable students to develop the techniques required to carry out a physics investigation, identify and analyse a trend and explain physics phenomena in a given situation. Some interesting aspects of the course are understanding the safety features in a car, maximum safe speed of a vehicle around a corner, space shuttle motion, expanding universe, timing circuits in a circuit, uses of transformers and inductors in everyday life. The main areas of study are: Translational and Rotational motion, Simple Harmonic motion, Waves, Electricity & Magnetism and Modern Physics.

| Number                     | Name of Standard  | Credits | UE Lit | Assessment |
|----------------------------|---|---------|--------|------------|
| AS91521                    | Carry out practical investigation to test a physics theory relating to two variables in a non linear relationship | 4       |        | Internal   |
| <b>Optional</b><br>AS91525 | Demonstrate understanding of Modern Physics   | 3       |        | Internal   |
| AS91524                    | Demonstrate understanding of mechanical systems   | 6       |        | External   |
| AS 91523                   | Demonstrate understanding of wave systems   | 4       |        | External   |
| AS91526                    | Demonstrate understanding of electrical systems   | 6       |        | External   |

## HANGARAU / TECHNOLOGY

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### NOTES AND RESTRICTIONS:

- Year 12 students can take 12DVC and a maximum of two other Technology subjects. Exceptions can be made only in consultation with the Head of House.
- Students taking 12FDN cannot take 12TEF
- Students taking 13TEF cannot take 13AEN
- Students taking 13FAB cannot take 13WKE
- Undertaking an MIT Trades Academy course may prohibit you from enrolling in some school-based technology courses. Check with the Head of House before finalising subjects.
- Year 13 students wanting to gain University Entrance need to limit their number of Technology subjects. Check with the Head of House before finalising subjects.
- Although not compulsory, investing in a pair of safety glasses and shoes for wearing in the workshop is strongly encouraged due to Health & Safety requirements

### 12AEN - Automotive and Engineering

**Course Content:** This course is based on basic engineering skills, and not motor mechanics or vehicle maintenance. It is suitable for students who may wish to pursue a career in automotive or workshop engineering.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US2387  | Assemble mechanical components under supervision                              | 2       |        | Internal   |
| US29671 | Demonstrate knowledge of machining equipment tools and principles             | 3       |        | Internal   |
| US21911 | Demonstrate knowledge of safety on engineering worksites                      | 2       |        | Internal   |
| US29674 | Demonstrate knowledge of mechanical fasteners used in mechanical engineering. | 3       |        | Internal   |
| US2395  | Knowledge of hand tools   | 6       |        | Internal   |

**This Course leads to:** 13WKE

### 12DVC – Design and Visual Communication

**Course Content:** This course covers the skills and processes in: Environmental design, Technological design, Media design, Graphical communication. This course requires a certain level of multi-medium design and research skill. A thorough understanding and knowledge of the technology design process is highly recommended before entry at this level.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91337 | Use visual communication techniques to generate design ideas | 3       |        | External   |
| AS91341 | Develop a spatial design through graphics practice           | 6       |        | Internal   |
| AS91342 | Develop a product design through graphics practice           | 6       |        | Internal   |

**This Course leads to** 13DVC for which the entry requirement is 9 credits in 12DVC

### 12DGT - Digital Technology

**Course Content:** This is an advanced technical course that will take an indepth look at advanced applications, Coding WebPages and Computer Programming.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91891 | Apply conventions to develop a design for a digital technologies outcome | 3       |        | Internal   |
| AS91893 | Use advanced techniques to develop a digital media outcome               | 4       |        | Internal   |
| AS91896 | Use advanced programming techniques to develop a computer program        | 6       |        | Internal   |
| AS91897 | Use advanced processes to develop a digital technologies outcome         | 6       |        | Internal   |

**This Course leads to** 13DGT for which the entry requirement is a grade of Achieved or higher in AS91893 or AS91896 or by HoD Approval.

## 12FAB - Fabrics Technology

**Course Content:** This course is based on practical experiences. It includes the study of design and fashion trends, knowledge of pattern-making for original designs and construction techniques which reflect garment making specifications and stakeholder requirements. Students will have opportunities to be creative through designing, choosing and using appropriate fabrics, production processes and techniques whilst creating project outcomes with the focus of developing new ideas. This course requires knowledge of brief development, project analysis research and a prior knowledge of the Technology Design process, fabric, sewing and pattern skills is highly recommended.

Special note: *some standards \* are optional or may be integrated and the course outline is subject to change due to demand, special circumstances or certain literacy requirements*

| Number   | Name of Standard  | Credits | UE Lit | Assessment |
|----------|---|---------|--------|------------|
| *AS91356 | Develop a conceptual design for an outcome  | 6       |        | Internal   |
| AS91345  | Implement advanced procedures using textile materials to make a specified product with special features | 6       |        | Internal   |
| AS91350  | Make advanced adaptations to a pattern to change the structural and style features of a design          | 4       |        | Internal   |
| *AS91358 | Demonstrate understanding of how technological modelling supports risk management                       | 4       |        | External   |
| *AS91337 | Use visual communication techniques to generate design ideas  | 3       |        | External   |

**This Course leads to 13FAB**

## 12FDN - Food and Nutrition

**Course Content:** This course will give students the opportunity to study food and nutrition needs for different populations. Planning, preparation and service of nutritious meals. It is assessed against Home Economics and Home and Life Sciences (Ohanga Kainga) Standards. This course is designed for students more likely to pursue Tertiary study at University. This course requires a high level of essay writing skills, research skills and has a less practical component than Hospitality. Students may be required to bring some ingredients depending on allergies or religious reasons.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91299 | Analyse issues related to the provision of food for people with specific food needs                 | 5       |        | Internal   |
| AS91300 | Analyse the relationship between wellbeing, food choices and determinants of health                 | 4       |        | External   |
| AS91301 | Analyse beliefs, attitudes and practices related to a nutritional issue for families in New Zealand | 5       |        | Internal   |
| AS91302 | Evaluate sustainable food-related practices   | 5       |        | Internal   |

**This Course leads to 13TEF or 13HOS.**

## 12TEF - Food Technology

**Course Content:** This course will give students the opportunity to study product outcomes following the design process. This course will give students the opportunity to study Fair Trade products and the purpose of product development considering sustainable choices of product outcomes and marketing. Students will experience planning and development of Café style products and analyse their fitness for purpose using the design process. An end user will be much needed for project outcome refinements. Project brief will guide the requirements of the standard. This course is designed for students more likely to pursue tertiary study at University. This course requires a high level of essay writing skills, research skills, a prior knowledge of the technology design process and has a less practical component than Hospitality. Students may be required to bring some ingredients depending on allergies or religious reasons.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91354 | Undertake brief development to address an issue                                     | 4       |        | Internal   |
| AS91357 | Undertake effective development to make and trial a prototype                       | 6       |        | Internal   |
| AS91359 | Demonstrate understanding of the role of material evaluation in product development | 4       |        | External   |

**This Course leads to** 13TEF or 13HOS.

## 12HOS – Hospitality

**Course Content:** In this course students will develop knowledge and skills associated with the Hospitality Industry. The Unit Standards in the course will include the study of preparation, presentation and service of restaurant standard meals. All meals prepared are assessed against the criteria set by Service IQ. The project of servicing an à la carte menu is a major objective for the programme.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US167   | Practice food safety methods in a food business               | 4       |        | Internal   |
| US13272 | Prepare food items by baking                                  | 2       |        | Internal   |
| US13276 | Prepare and cook food by grilling in a commercial kitchen     | 2       |        | Internal   |
| US13280 | Prepare fruit and vegetable cuts                              | 2       |        | Internal   |
| US13283 | Prepare and present salads for service                        | 2       |        | Internal   |
| US13285 | Handle and maintain knives in a commercial kitchen            | 2       |        | Internal   |
| US14436 | Provide table service in a commercial hospitality environment | 4       |        | Internal   |

**This Course leads to:** 13HOS for which the entry requirement is 10 credits in 12HOS.



## 12IMT - Information Management

**Course Content:** A wide range of computer software will be used to enable students to acquire skills in touch keyboarding, word-processing, health and safety, spread sheeting, general computer knowledge and computer security, graphics and layout.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US29769 | Use the main features and functions of a word processing application for a purpose                                      | 4       |        | Internal   |
| US29771 | Use the main features and functions of a presentation application for a purpose   | 3       |        | Internal   |
| US29781 | Use the internet and common digital devices and software to gather information and connect with other users and devices | 7       |        | Internal   |
| US29782 | Demonstrate knowledge of computing hardware, software and terminology to select digital tools for specified purposes    | 5       |        | Internal   |

**This Course leads to:** 13IMT for which the entry requirement is 7 credits in 12IMT

## 12TSK - Trade Skills

**Course Content:** Students who participate in this course can go on to apprenticeships, or further trade training, in a variety of trades including: building, construction, plumbing, drainlaying, roofing, gas fitting, painting and decorating, infrastructure, flooring and joinery. It is recommended that students have basic knowledge of personal, workshop and tool safety.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US12927 | Identify, select, maintain and use portable hand tools for BCATS projects                                      | 6       |        | Internal   |
| US12932 | Construct timber garden furniture as BCATS projects  | 8       |        | Internal   |
| US24350 | Identify, select, maintain and use portable power tools for BCATS projects                                     | 6       |        | Internal   |
| US24354 | Demonstrate knowledge of health and safety legislation and apply safe working practices in a BCATS environment | 4       |        | Internal   |
| US31812 | Construct a BCATS project  | 6       |        | Internal   |

**This Course leads to** 13TSK

### 12WKE - Workshop Engineering

**Course Content:** This is a practical Engineering course that enables students to have hands-on experience constructing projects from working drawings. They will need to be able to self manage and produce a record that shows their understanding of the use of materials, tools and processes which demonstrates knowledge and understanding. This course requires a high level of skills in use of hand tools and portable machines alongside a level of research and literacy skills and strong personal, workshop and tool safety knowledge.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| US2396  | Demonstrate and apply knowledge of the selection, use, and care of portable hand held engineering hand tools    | 4       |        | Internal   |
| US11661 | Perform engineering drilling operations using a pedestal type drilling machine                                  | 3       |        | Internal   |
| US32053 | Demonstrate knowledge of and apply good work practices when performing machining operations in MaPs environment | 7       |        | Internal   |

**This Course leads to** 13WKE – for which the entry requirement is 10 credits from 12WKE or by HoD approval.

### 13AEN - Automotive and Engineering

**Entry Requirement:** 12 credits from 12AEN or 12WKE or by HOD approval.

**Course Content:** This course continues to build students' knowledge of automotive systems and Engineering Practice. Students will study basic automotive construction, design and fabrication of chassis for Go-Kart or Bucket Racers, machining of components for project go-karts or bucket racers, breaks, engines and panel work, trialling of prototypes. Completion of both practical and theoretical work is required.

| Number  | Name of Standard  | Credits | UE Lit | Assessment |
|---------|---|---------|--------|------------|
| AS91611 | Develop a prototype considering fitness for purpose in the broadest sense                             | 6       |        | Internal   |
| AS91620 | Implement complex procedures to integrate parts using resistant materials to make a specified product | 6       |        | Internal   |
| AS91643 | Implement complex procedures to process a specified product   | 6       |        | Internal   |

### 13DVC - Design and Visual Communication

**Entry Requirement:** 10 credits from 12DVC or by HoD approval.

**Course Content:** This course requires students to initiate a design project based on the needs and requirements of a client in each of the following design areas: Architectural or environmental; Engineering or technological; Media or technical illustration.

| Number  | Name of Standard                                   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91627 | Initiate design ideas through exploration          | 4       |        | External   |
| AS91629 | Resolve a spatial design through graphics practice | 6       |        | Internal   |
| AS91630 | Resolve a product design through graphics practice | 6       |        | Internal   |

### 13DGT - Digital Technology

**Entry Requirement:** AS91893 or AS91896 or by HoD approval.

**Course Content:** This course is designed for students with a proven aptitude for computing, who are likely to pursue further studies in Computer Science at tertiary level. Advanced applications and advanced website design form the basis of the course.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91900 | Conduct a critical inquiry to propose a digital technologies outcome                       | 6       |        | Internal   |
| AS91901 | Apply user experience methodologies to develop a design for a digital technologies outcome | 3       |        | Internal   |
| AS91903 | Use complex techniques to develop a digital media outcome                                  | 4       |        | Internal   |
| AS91907 | Use complex processes to develop a digital technologies outcome                            | 6       |        | Internal   |

### 13FAB - Fabrics Technology

**Entry Requirement:** 10 credits from 12FAB or by HoD approval only.

**Course Content:** This is a programme where students' will work to inspire future products and creations. This course can range from fashion forecasting to illustration, pattern cutting and product styling, garment development, design of an outcome & working to a chosen brief. Students are challenged to be vibrant and influential when developing their ideas. Learning about instigating trends and fashion drawing, they will use processes such as hand drawn, digital technology and functional modelling to demonstrate and develop their ideas. Students will also get a chance to experience the realism of this programme by making their projects live, collaborating with others to evaluate critically, conceptually against professional requirements and expected standards in the wider sense.

(Special note: some standards \* are optional or may be integrated and the course outline is subject to change due to demand, special circumstances or certain literacy requirements).

| Number   | Name of Standard   | Credits | UE Lit | Assessment |
|----------|--|---------|--------|------------|
| AS91610  | Develop a conceptual design considering fitness for purpose in the broadest sense                              | 6       |        | Internal   |
| *AS91621 | Implement advanced procedures using textile materials to make a specified product                              | 6       |        | Internal   |
| AS91626  | Draft a pattern to interpret a design for a garment  | 6       |        | Internal   |
| *AS91612 | Demonstrate understanding of how technological modelling supports technological development and implementation | 4       | Write  | External   |

### 13TEF – Food Technology

**Entry Requirement:** 10 credits in 12TEF.

**Course Content:** This course will give students the opportunity to use technological practice to study developments in food availability, choice, new product development, packaging and marketing. Students will develop their own brief and create innovative solutions to meet the brief. They may also get a one-on-one chance to work with professional Food Technologists and Sensory Analysts to gather data to refine their ideas. Companies such as Fonterra and Vini may get involved to engage and to help refine product specifications. Integrated to the programme is a Home Economics Standard that will enable students to understand the importance of nutritional knowledge vs the marketing of food products. Students may be requested to source ingredients depending on the brief of the project, religious and allergy reasons.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| AS91466 | Undertake a brief development to address an issue within a determined context                                  | 5       | Read   | Internal   |
| AS91611 | Develop a prototype considering fitness for purpose in the broadest sense                                      | 6       |        | Internal   |
| AS91612 | Demonstrate understanding of how technological modelling supports technological development and implementation | 4       | Write  | External   |

### 13HOS – Hospitality

*Students may not be able to negotiate and substitute for any ingredient based on religious or allergy reasons. A discussion with the HoD prior to entry in this program is advisable.*

**Entry Requirement:** 10 credits in 12HOS including US167

**Course Content:** Students will acquire knowledge and skills in Hospitality. Students will study the preparation of, presentation and service of food, beverage service and customer care.

The standards are assessed through the Manukau Institute of Technology (MIT) Partnership programme.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US168   | Demonstrate knowledge of food contamination hazards, and control methods used in a food business | 4       |        | Internal   |
| US13314 | Cook egg dishes  | 4       |        | Internal   |
| US13316 | Cook pasta dishes  | 3       |        | Internal   |
| US13325 | Prepare and bake basic cakes, sponges and scones in a commercial kitchen                         | 4       |        | Internal   |

### 13IMT – Information Management

**Entry Requirement:** 7 credits in 12IMT or by HoD approval.

**Course Content:** This course advances Word Processing and Keyboarding techniques for formatting, display and layout, and graphics, for business applications. Business communications skills, report writing and composition, are developed through expanded use of computer software applications and research.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US29789 | Use a presentation application to produce an interactive multimedia presentation | 3       |        | Internal   |
| US29792 | Use a desktop publishing application to produce documents                        | 4       |        | Internal   |
| US29796 | Collaborate effectively with others in a digital environment                     | 7       |        | Internal   |
| US32003 | Create and customise business documents  | 6       |        | Internal   |

### 13TSK - Trade Skills

**Entry Requirement:** This course requires a basic level of skills in use of hand tools and portable machines and it is recommended that students have basic knowledge of personal, workshop and tool safety.

**Course Content:** This builds upon from the course completed in 12TSK. Students who participate in this course gain skills and knowledge from being involved in the making of a variety of primarily wood based products. They will be well prepared to go on to apprenticeships, or further trade training, in a variety of areas including: building, construction, plumbing, drainlaying, roofing, gasfitting, painting and decorating, infrastructure, flooring and joinery.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US29678 | Demonstrate knowledge of, select and use materials for a stage 3 BCATs Project                       | 4       |        | Internal   |
| US29677 | Follow safe workplace practices and contribute to a health and safety culture in a BCATs environment | 2       |        | Internal   |
| US29680 | Communicate and work collaboratively in a Stage 3 BCATS project                                      | 5       |        | Internal   |
| US29682 | Select, use, and maintain tools, equipment, and machinery for a Stage 3 BCATS project                | 4       |        | Internal   |
| US29684 | Undertake a stage 3 BCATs Project  | 12      |        | Internal   |

### 13WKE - Workshop Engineering

**Entry Requirement:** 10 credits from 12WKE or by HoD approval.

**Restrictions:** Students taking 13WKE cannot take 13FAB or 13TEF

**Course Content:** This course continues to build students' knowledge of problem solving and engineering practice. Students will study design and fabrication for the purpose of creating projects of their own design. This is a challenging course that offers skills and conceptual design application appropriate for students going into engineering fabrication as well as engineering design. Completion of both practical and theoretical work is required in order to gain the credits on offer.

| Number  | Name of Standard   | Credits | UE Lit | Assessment |
|---------|--|---------|--------|------------|
| US32054 | Produce components by performing engineering machining operations in a MaPS environment. | 7       |        | Internal   |
| US32056 | Perform fabrication operations in MaPs environment                                       | 7       |        | Internal   |
| AS91625 | Demonstrate understanding of a complex machine   | 3       |        | Internal   |