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*Each individual course is listed in this INDEX along with the relevant page number for where the course descriptor can be found.*

# MAKING CHOICES and DECISIONS

This booklet provides a guide to planning your course for next year and into the future. Today's society is changing rapidly and so are the range and requirements of careers. It is important for you to prepare yourself by making choices that are as wide as possible. To do this, you need to follow a few guidelines:

- Keep your options open – choose a spread of courses.
- Do something you like and in which you are interested.
- Do something you know you are good at.
- Discuss your options with your parents, teachers, Dean, Careers Advisor.
- Consider what you will be studying in the future.
- You may have a career in mind. Check that you are on the right path with the Careers' Advisor in the Careers Centre. This is open during normal school hours, i.e. 8.30am to 3.30pm, including lunchtime.



A competency approach to career development

## **Procedure:**

1. Read this Senior Course Information Booklet.
2. If you have any questions about a course or you are uncertain about your ability to complete the year's work, talk to the teacher responsible for that course (TIC), your own course teacher, or your Dean.
3. Check the prior study required (prerequisites) for courses you may wish to study. Make sure that you meet the requirements – both now and in the future.
4. Check that the course leads on to the path you may wish to follow in the future, especially if you wish to go to University where admission restrictions may apply and ranked results may be used (see page 6).
5. Check that you can comply with any special features of the course, i.e. costs, fieldwork, flexi hours etc.
6. Read the information section that applies to your year level. This appears before the list of courses on offer at that level.
7. Have your parents enter your options online through the KAMAR Parent Portal and hand a signed Course Selection Form to your Form Teacher by:

**Monday 22nd August, 2016**

## Points you need to be aware of:

- Not all courses offered will run. This will depend on the numbers and the staffing available. The number of classes for each course will also be dependent on the staffing and resourcing available.
- Due to the pressure on specialist rooms and the nature of some courses, some classes will be taught outside the normal school timetable (i.e. flexi-hours). Agreement with this will be necessary before starting the course.
- Your initial choices will be checked by your class teachers, your form teacher, Heads of Departments and the Faculty Leaders. One or more of these may recommend changes to place you in the most suitable course or programme of study.
- It is important to remember that we do our best to meet your choices, but that is not always possible. Some students will have course clashes and will need to select alternative courses.
- Your Dean will advise you if you are required to make an alternative course choice.
- Select carefully as it can be difficult to change courses later.
- Check which standards are being offered in each course. If the same standard is offered in more than one course the credits can only be counted **once**.
- If, after getting your results in January, you do need to change a course (because you have not met the prerequisites OR because you have done better than expected in the externals) you will need to see your Dean, or Mr Waddington (Academic Advisor), in the last few days of the summer holidays. Deans and Faculty Leaders will be available for Course Confirmation from **Friday 27<sup>th</sup> January, 2017**.
- If you have any questions about the final timetable and option choices see Ms Knell.

## Faculty Leaders:

Arts (ART)	Ms Ankersmit	B block – Visual Arts Office
Language & Languages (LAN)	Ms Feist	F block – F9/10 English Office
Mathematics (MAT)	Mr McLennan	G block – Maths Office
Health & Physical Education (PHE)	Mrs Wells	Lower Gym – PE Office
Science (SCI)	Mr Eyre	G block – Science Office
Social Sciences (SSC) (includes Business)	Mrs Marshall	B block – Social Science Office
Student Services (STS)	Mrs Kevany	Student Services
Technology (TEC)	Mrs Townsend	D block – Teachers' Work Room

# QUALIFICATIONS and AWARDS:

## NCEA: National Certificate of Educational Achievement

### HOW NCEA WORKS:

The National Certificate of Educational Achievement (NCEA) is the main national qualification for secondary school students in New Zealand. Standards that secondary school students achieve as part of NCEA can be used as building blocks for other qualifications.

NCEA is recognised by employers and is used for selection by universities and polytechnics, both in New Zealand and overseas.

- Each year, students study a number of courses or subjects. In each course, skills and knowledge are assessed against a number of standards.
- Schools use a range of internal and external [assessments](#) to measure how well students meet these standards. There are two types of standards, **Achievement Standards**, and **Unit Standards**.
- Unit Standards (US) are internally assessed at school by teachers or in industry settings. Students either get:
  - **Achieved (A)** if they achieve the required standard, or
  - **Not Achieved (NA)** if they do not achieve the required standard.
- Achievement Standards (AS) can be internally assessed at school by teachers or externally assessed at the end of year through exams or portfolios of work marked by NZQA. Commonly, students will be assessed using both internal and external assessment. For achievement standards, students can get:
  - **Excellence (E)** for outstanding performance,
  - **Merit (M)** for very good performance,
  - **Achieved (A)** for a satisfactory performance, or
  - **Not Achieved (NA)** grade if they do not meet the standard.
- When a student achieves a standard, they gain a number of credits. Students must achieve a certain number of credits to gain an NCEA certificate.

#### **Credits required for a certificate:**

<b>Level 1</b>	80 credits at Level 1	Including 10 credits in literacy, Including 10 credits in numeracy
<b>Level 2</b>	80 credits	At least 60 credits from Level 2 + 20 credits from Level 1 + Level 1 Literacy and Numeracy
<b>Level 3</b>	80 credits	At least 60 credits from Level 3 + 20 credits from Level 2

- There are three [levels of NCEA certificate](#), depending on the difficulty of the standards achieved. In general, students work through Levels 1 to 3 in Years 11 to 13 at school.

## RECOGNISING HIGH ACHIEVEMENT

### Certificate Endorsement:

Certificates can be 'endorsed' to reflect high achievement in a significant number of standards. Students will gain a Certificate Endorsement if they gain:

- 50 credits at Excellence = **NCEA with EXCELLENCE**.
- 50 credits at Merit (or Merit and Excellence) = **NCEA with MERIT**.

Credits earned can count towards an endorsement over more than one year and more than one level. However, they must be gained at the level of the certificate or above.

### Course Endorsement:

A course endorsement provides recognition for a student who has performed exceptionally well in an individual course. The key objective of a course endorsement is to motivate students to achieve their potential in one or more courses.

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

- 14 or more credits at Excellence = **course with EXCELLENCE**.
- 14 or more credits at Merit = **course with MERIT**.

To be eligible for Course Endorsement, at least 3 of these credits must come from externally assessed standards and at least 3 credits from internally assessed standards (Physical Education and Level 3 Visual Arts are exempt from needing 3 credits to be externally assessed).

Awards with endorsements will be shown on a student's [Record of Achievement](#).

## LEVEL 1 LITERACY AND NUMERACY REQUIREMENTS

Students can meet the requirements for Literacy or Numeracy by achieving specified achievement standards or special unit standards in literacy and numeracy. These are indicated by an **L** for literacy or an **N** for numeracy beside the standard number in the Level 1 course descriptors. 10 credits of Literacy standards at Level 1 or higher and 10 credits of Numeracy standards at Level 1 or higher are required to gain a Level 1 Certificate in NCEA.

## SCHOLARSHIP

Scholarship is externally assessed and is designed to extend very able students in their last year of schooling. It provides successful candidates with financial assistance for tertiary study.

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. Scholarship exams enable candidates to be assessed against challenging standards, and are demanding for the most able candidates in each subject.

Assessment for Scholarship is held externally at the end of each school year. Generally, Scholarship assessments are undertaken by Year 13 students, most of whom are also studying towards NCEA Level 3. Each Scholarship assessment carries two passing grades - Scholarship (S) and Outstanding Scholarship (O).

Candidates are sent their Scholarship result notices by NZQA before 1 March in the year following assessment.

More information about NCEA is available on <http://www.nzqa.govt.nz/>.

## UNIVERSITY ENTRANCE AWARD:

Entrance to university is gained by achieving a set number of National Qualifications Framework credits at Level 3, plus meeting some literacy and numeracy requirements. This entitles school leavers to attend university in New Zealand.

University Entrance is the **minimum** requirement for enrolment at a New Zealand University.

### Summary of University Entrance requirements

**NCEA LEVEL 3:** 60 credits Level 3 and 20 credits Level 2  
*This must include 14 credits in EACH of THREE APPROVED subjects\**

**NUMERACY:** 10 Numeracy credits at Level 1 or higher

**LITERACY:** 5 credits at Level 2 or above in Reading  
5 credits at Level 2 or above in Writing

NOTE: *The University of Auckland additionally requires students achieve 17 credits at Level 2 or 3 English or they will need to complete an additional paper at University to meet the Academic English Language Requirement (AELR).*

## Coding used in the Course descriptors (pages 32 - 78)



= University Entrance Approved Subject

**L** = Counts towards Level 1 Literacy Requirements

**N** = Counts towards Level 1 Numeracy Requirements

**R** = Counts towards University Entrance Reading Literacy Requirements

**W** = Counts towards University Entrance Writing Literacy Requirements

### **Approved subjects:**

The list of approved subjects for entrance to university is:

Accounting	Education for Sustainability	Photography (Practical Art)
Agriculture & Horticulture	English	Physical Education
Biology	French	Physics
Business Studies	Geography	Printmaking (Practical Art)
<b>Calculus</b>	German	<b>Processing Technologies</b>
Chemistry	Health Education	Religious Studies
Chinese	History	Samoan
Classical Studies	History of Art	<b>Science</b>
<b>Construction &amp; Mechanical Technologies</b>	Home Economics	Sculpture (Practical Art)
Cook Islands Māori	Indonesian	Spanish
Dance	Japanese	Social Studies
Design (Practical Art)	Korean	<b>Statistics</b>
<b>Design &amp; Visual Communication</b>	Latin	<b>Technology</b>
<b>Digital Technologies</b>	<b>Mathematics</b>	Te Reo Māori
Drama	Media Studies	Te Reo Rangatira
<b>Earth and Space Science</b>	Music Studies	Tongan
Economics	Painting (Practical Art)	

**THREE** subjects used for the University Entrance qualification must be from this list.

Further information on University Entrance, including the **list of Approved Subjects** can be accessed on: <http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/>

## **ENTRY TO UNIVERSITY:**

### **Entry to University courses with limited numbers of places for students**

Admission requirements for university courses are reviewed and updated annually. While University Entrance is a minimum requirement to apply for an undergraduate bachelor's degree, the majority of courses have higher and specific entry requirements.

Universities publish Preferential/Guaranteed Entry Standards in their prospectuses. These are based on academic results; grade points are allocated to grades achieved, where an Achieved grade is worth two grade points, Merit is worth three grade points and Excellence is worth four grade points. Because of this, students seeking admission to limited entry courses should consider courses with more Achievement Standards than Unit Standards.

The majority of universities base their ranking on credits from subjects in the Approved Subjects list only.

Students should research tertiary courses they are interested in well in advance, checking with each tertiary institution to see entry criteria to courses.



# Vocational Pathways Awards

A **Vocational Pathway Award** is a way you can recognise achievement from your NCEA Level 2 results and support your progression of learning towards a career.

These pathways link your learning and achievement at school directly to career and job opportunities in the work place.

Vocational Pathways also enable employers to see where your strengths, abilities, interests and achievement lie and what careers you are more suited to.

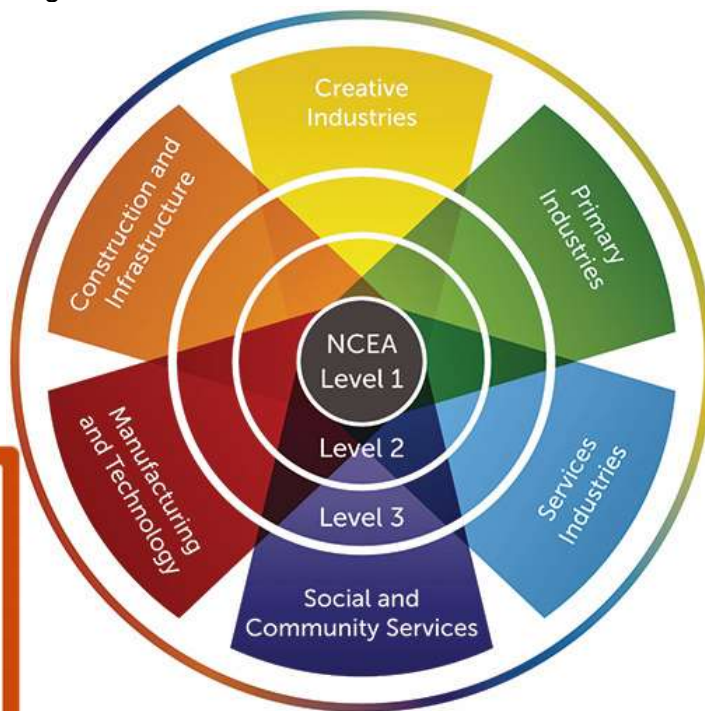
As a student you will be able to see your progress and map your pathway into a career, job or further training at a tertiary institute from your achievement at school. This will help you plan your courses over a number of years to get the best result and to achieve your goals for the future.

**The Vocational Pathways cover six broad industry sectors:**

- **Manufacturing and technology**
- **Construction and infrastructure**
- **Creative industries**
- **Primary industries**
- **Social and community services**
- **Services industries.**

**To achieve the Vocational Pathways Award, a learner must:**

<b>NCEA Level 2</b> 80 credits	<b>Vocational Pathways Award</b> 60 Level 2 credits from the recommended pathway(s)	Of which <b>20 credits</b> must be sector related standards
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- **Achieve NCEA Level 2** which includes literacy (10 credits) and numeracy (10 credits) at Level 1 or above, **and**
- **Achieve 60 Level 2 credits from the Recommended Assessment Standards** for a Vocational Pathway, **including 20 Level 2 credits from Sector-Related Standards** for the same sector.

*Credits from the Recommended Assessment Standards and Sector-Related Standards must come from the same Vocational Pathway eg Primary Industries.*

A learner can achieve more than one Vocational Pathways Award if they complete more than one Vocational Pathway. The Vocational Pathways Award(s) will be awarded to students on their NZQA Record of Achievement. This will be a real advantage when they look for work and training opportunities in the sector.

A coloured chart in each Year 12 course entry in this booklet shows the total number of credits from the course that will contribute towards each Vocational Pathway sector.

For example ...

12MAX Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits	13	13	21	12	8	21
Recommended credits	13	13	21	12	8	21

Use the numbers showing in the **'Sector Related credits'** and **'Recommended credits'** to help you build a **Vocational Pathways Profile** for your proposed timetable for next year – use the tables on page 81 so you can plan your course selection with possible careers in mind.

More information and resources about Vocational Pathway Awards are available at ...  
<http://youthguarantee.net.nz/resources/>

# Lynfield College Vocational Pathways Map Summary

PATHWAYS	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Services	Creative Industries
Level 3	13CEN 13EAP	13PAW (SR) 13AUT (SR)	13CEN 13EAP	13BUS 13CEN,13EAP 13HOB,13HOC (SR)	13CEN,13EAP	13CEN,13EAP 13MUP (SR) 13PAW (SR)
----- (Gateway) -----						
Level 2 Sector related (need 20+)	12CRP 24 12TEM 10 12TFD 9 12 DVC 20	12DVC 7 12AUT 10 12TEP 21 12PCC 6 12TEM 10 12TFD 12 12TEL18 12 DTG 7 12 PAD 18		12EAP 3 12HOS 24 12CSA 22 12SPC 3 12PCC 4 12FAN 2 12TOU 24 12 CEN 3	12HTH 22 12SPC 5 12ECE 20	12CLA 24 12DTG 13 12DVC 23 12MED 21 12MUP 27 12MUS 29 12PCC 6 12ITH 9 12TEM 20 12TFD 24 12TEL16 12ARP 20 12ARD 24 12PHO 20 12 DRA 22 12PAD 18
----- (Gateway) -----						
Level 2 Recommended (need 40+)	12CHE, 12CHA 12DTG 12CEN,12ENC, 12ENG 12EAP, 12EFS 12GEO 12MAA, 12MAP, 12MAT, 12MAX 12PXA, 12PXM 12PXA, 12PXM 12ESS 12ITH 12TEM 12TFD	12CHA, 12CHE 12DTG 12CEN, 12EAP 12DVC 12MAA, 12MAP, 12MAT, 12MAX 12PXA, 12PXM 12PCC 12ITH 12EM 12TFD 12TEL	12BIA,12BIO 12BUS, 12COM 12CHA,12CHE 12DTG 12ECO 12CEN, 12ENC, 12ENG, 12EAP, 12EFS 12GEO 12DVC 12HTH 12CRP 12TEP 12MAA, 12MAP, 12MAT 12MAX 12PXM, 12PXA 12CSA 12SPC 12MAO 12PCC 12ITH 12FAN 12TEM 12TFD 12TEL	12ACC, 12BUS, 12COM 12CHA,12CHE 12CHI 12CLA 12DTG 12DRA 12ECO 12CEN,12ENC, 12ENG,12EAP 12EFS 12GEO 12MAA, 12MAP, 12MAT, 12MAX 12PHE, 12GER 12DVC 12HTH 12HIS 12JAP 12MAA,12MAP, 12MAT, 12MAX 12PHE, 12PEA, 12OED, 12SPS 12MAO 12PCC 12ITH 12FAN 12MAO 12PCC 12ITH 12FAN 12TFD 12TEL 12ARD	12BIA, 12BIO 12CHA,12CHE 12ECO 12CEN,12ENC, 12ENG,12EAP, 12EFS 12GEO 12MAA, 12MAP, 12MAT, 12MAX 12PHE, 12PEA, 12OED 12PXA, 12PXM 12SCA 12SPC 12MAO 12PCC 12ITH 12FAN	12ACC,12BUS, 12COM 12CHA,12CHE 12DTG 12ECO 12CEN,12ENC, 12ENG, 12EAP, 12EFS 12GEO 12HIS 12MAA,12MAP, 12MAT, 12MAX 12PHE, 12PEA, 12SPS, 12OED 12PXA,12PXM 12CSA 12SPC 12MAO 12PCC 12ITH 12TEL
----- (Gateway) -----						



# Ministry of Education 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 & private training providers (e.g. polytechnics (ITPs), universities, Private Training Establishments (PTEs) & Industry Training Organisations (ITOs)
- (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 & internships)
- (6) For more job options, training options and interactive career building tools, go to [www.careers.govt.nz](http://www.careers.govt.nz)

	Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Service Industries	Social & Community Services	Creative Industries
<b>NCEA Level 1-3 to New Zealand Certificates (Level 2 - Level 4)</b>	Boat Builder	Auto- Electrician/Technician	Animal Attendant	Accounts Officer	Air Force Officer	Actor
	Bricklayer	Baker	Aquaculture Farmer	Aircraft Loader or Refueller	Community Worker	Beauty Therapist
	Building Contractor	Boat Builder	Arborist	Bank Worker/Mortg. Broker	Customs Officer	Body Artist
	Caretaker	Chem. Production Operator	Build. & Const. Labourer	Bartender	Dental Assistant	Clothing Designer
	Carpenter	Clothing Designer	Crop Farmer	Beauty Therapist	Dispensing Optician	Clothing Pattern Maker
	Crane Operator	Clothing Pattern Maker	Dairy Products Maker	Café/Restaurant Manager	Emerg. Management Officer	Copywriter
	Electrician	Collision Repair Technician	Dog Trainer	Chef	Fire-fighter	Dancer
	Floor & Waller Tiler	Dairy Products Maker	Farm Worker	Cleaner	Health & Safety Inspector	Film & Video Editor
	Floor Covering Installer	Electrician	Fencer	Contact Centre Worker	Health Promoter	Film/TV Camera Operator
	Landscape Gardener	Food & Beverage Worker	Fishery Officer	Fitness Instructor	Immigration Officer	Florist
	Line Mechanic	Jeweller	Fishing Skipper	Flight Attendant	Legal Clerk	Hairdresser
	Locksmith	Lighting Technician	Forestry & Logging Worker	Florist	Library Assistant	Jeweller
	Mine/Quarry Worker	Marine Engineer	Grounds person	Hairdresser	Minister	Make-Up Artist
	Painter & Decorator	Meat/Seafood Processor	Horse Trainer	Hotel Manager	Nanny	Media Producer
	Plumber/Gasfitter/Drainlayer	Mech. Engin. Technician	Landscape Gardener	Legal Executive	Nursing Support & Carer	Musician
	Property Manager	Plastics Technician	Meat/Seafood Processor	Motor Vehicle Sales	Police Officer	Photographer
	Roading Construction Worker	Telecom. Technician	Nursery Grower/Worker	Receptionist	Recreation Coordinator	Sewing Machinist
	Roofer	Tyre Technician	Ranger	Retail Manager	Security Officer	Signmaker
	Scaffolder	Winemaker	Winemaker	Tourism Operator	Teacher Aide	TV Presenter
	Water Treatment Operator	Wood Machinist	Wood Processing Worker	Truck Driver	Translator	Upholsterer
<b>Diploma (Level 4 - Level 6)</b>	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	
				Teacher of ESOL		
				Youth Worker		
<b>Degree (Level 5 - Level 7)</b>	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	
<b>Post-graduate (Level 7 - 10)</b>	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		

# LYNFIELD COLLEGE COURSE FLOW CHART 2017

Yr 9	Yr10	Yr 11	Yr 12	Yr 13
<b>English</b>	<b>English</b>	<b>Eng</b> creative writing L1 <b>Eng</b> formal writing L1  <b>Com English</b> L1	<b>Eng</b> crafted writing L2 <b>English</b> L2 Media Studies L2 <b>Com English</b> L1/L2 U Std	Eng crafted writing L3 English L3 Media Studies L3 Com English L2/3 U Std
<b>ESOL</b>		English Academic L1 U Std EFS L1 U Std ELS L2 U Std ELIP	English Academic L2 U Std EFS L2 U Std ELS L2/3 U Std ELIP	English Academic L2/3+U Std ELS ELIP Adults ESOL
<b>Language</b> German Japanese Chinese Māori	German Japanese Chinese Māori	German L1 Japanese L1 Chinese L1 Māori L1	German L2 / (Cor) Japanese L2 / (Cor) Chinese L2 / (Cor) Māori L2 / (Cor) Spanish L1 / (Cor)	German L3 / (Cor) Japanese L3 / (Cor) Chinese L3 / (Cor) Māori L3 / (Cor)
<b>Maths</b>	Maths L1 <b>Maths</b>	Maths Advanced <i>r</i> L1/2 <b>Maths</b> L1 Maths Units L1 Maths Applied L1	Maths Advanced <i>r</i> L2 Maths L2 Maths Units L2 <i>Maths Applied</i> L1/2	Calculus L3 Statistics L3
<b>Science</b>	<b>Science</b> Science Adv L1	Sci Biological Adv <i>r</i> L1 <b>Science</b> Foundation L1 <b>Science</b> Mainstream L1  Sci Physical Adv <i>r</i> L1	Biology Adv <i>r</i> L2 Biology L2 Earth & Space Sci L2 Chemistry L2 Chemistry Adv <i>r</i> L2 Physics Adv <i>r</i> L2 Physics L2	Biology Adv <i>r</i> L3/Schol Biology L3 Earth & Space Sci L3/Schol Chemistry L3 Chemistry Adv <i>r</i> L3/Schol Physics Adv <i>r</i> L3/Schol Physics L3
<b>Social Studies</b>	<b>Social Studies</b> Soc Studies L1 Geography L1	History L1 Geography L1	History L2 Geography L2 Classical St L2 Tourism L2 U Std	History L3 Geography L3 Classical Studies L3 Tourism L3 U Std
<b>Business Studies</b>	BusinessStudies	Economics L1 Accounting L1	Economics L2 Business L2 Accounting L2 Commerce L2	Economics L3 Business L3 Accounting L3 Commerce L3
<b>Physical Ed &amp; Health</b>	<b>Physical Ed &amp; Health</b>	Phys Ed Advancing L1 <b>Physical Ed &amp; Health</b> L1 <b>Physical Ed &amp; Health</b> L1	Physical Ed L2 Sports Studies L2+U Std Health Studies L2	Physical Ed L3 Sports Studies L3+U Std Health Studies L3
<b>Arts</b> Drama Drama & Dance Dance	Drama Dance	Drama L1	Drama L2 Dance L2	Drama L3 Dance L2/3
<b>Music</b>	<b>Music</b>	Music L1 <i>Music Applied</i> L1/2/3	Music L2 <i>Music Applied</i> L1/2/3	Music L3 <i>Music Applied</i> L1/2/3
<b>Visual Arts</b> Pacific Arts	Visual Arts	Vis Arts Paint&Print L1 Vis Arts Dig Media L1	Vis Arts Paint L2 Visual Arts Design L2 Visual Arts Photo L2	Visual Arts Paint L3 Visual Arts Design L3 Visual Arts Photo L3 Visual Arts Vis Culture L3
<b>Technology</b>	Tech Mat Hard Electronics/Robotics Design&VisCom Tech Mat Soft Food Tech	Tech Materials L1 Tech Eng Prac L1 U Std Tech Electronics L1  Cabinetry L1 U Std Design&VisCom L1 Tech Fash & Des L1  Food & Nutrition L1  Hospitality Intro L1 U Std	Tech Materials L2 <i>Tech Eng Practical</i> L2 U Std <i>Tech Electronics</i> L2 Automotive L2 U Std Carpentry L2 U Std Design&VisCom L2 Tech Fash & Des L2 + U Std <i>Tech Fash Apparel</i> L2/3 U Std Food & Nutrition L2 Early Childhood Education L2 U Std Hospitality L2 U Std  <i>Personal&amp;ComCare</i> L2 U Std	Technology (TEMTEL) L3/ Schol  Automotive L3 U Std Carpentry L3 U Std Design&VisCom L3/Schol Tech Fash & Des L3 + U Std Food & Nutrition L3/Schol Early Childhood Education L3 U Std Hospitality - Barista L3 U Std Hospitality - Catering L3 U Std Personal&ComCare L3
<b>Comp Apps</b> Robotics	Text Info Man Electronics/Robotics	Digital Technologies L1	Digital Technologies L2 + U Std <i>Info Tech Web</i> L2 U Std Programming L2 Design	Digital Tech (DTG) L3 + U Std Programming & Web L3 + U Std
<b>SPC</b>	<b>SPC</b>	<b>SPC</b> L1 U Std	<b>SPC</b> L1/2 U Std <i>Customer Service s</i> L2/3 U Std <i>Gateway s</i> L1-3 U Std	<b>Gateway s</b> L1-3 U Std

<b>KEY:</b>	<b>Course is compulsory</b> <b>The course stops at the end of that year</b> <b>Leads on to</b>  <i>Course the same at either Yr11&amp;12 or Yr12&amp;13</i> <i>Correspondence School course may be offered</i>	L1, L2, L3 U Std <i>r</i> <i>s</i>  *	Level of Standards – NCEA Unit Standards – NCEA Restricted entry Selected by interview Advanced Learner (ADL) course New course for 2016
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## LYNFIELD COLLEGE COURSE CODES 2017

C Compulsory course in junior school

\* Course is offered at this year level without qualification assessments

L1 The number indicates the level for NCEA qualification - Level 1, Level 2, Level 3 ...

(L2) Brackets indicate course is multilevel i.e. available in the same option line for students from different levels

CODE	COURSE	9	10	11	12	13	Faculty
ACC	Accounting			L1	L2	L3	SSC
ADM	Visual Arts – Digital Media			L1			ART
ARD	Visual Arts – Design				L2	L3	ART
ARP	Visual Arts – Painting/Printmaking				L2	L3	ART
ART	Visual Arts – (Painting & Printmaking)	*	*	L1			ART
AUT	Automotive (Engineering)				L2	L3	TEC
AVC	Visual Arts – Visual Culture					L3	ART
BIA	Biology Advanced				L2	L3	SCI
BIO	Biology				L2	L3	SCI
BUS	Business Studies	*	*		L2	L3	SSC
CAB	Cabinetry			L1			TEC
CAP	Computer Applications – Computers / Robotics	*					TEC
CEN	Communications English			L1	L2	L3	LAN
CHA	Chemistry – Advanced				L2	L3	SCI
ECE	Early Childhood Education				L2	L3	TEC
CHE	Chemistry				L2	L3	SCI
CHI	Chinese (Mandarin)	*	*	L1	L2	L3	LAN
CLA	Classical Studies				L2	L3	SSC
COM	Commerce				L2	L3	SSC
CRP	Carpentry				L2	L3	TEC
CSA	Customer Service Award				L2/3	(L2/3)	STS
DAD	Drama & Dance	*					ART
DAN	Dance	*	*		L2	L2/3	ART
DRA	Drama	*	*	L1	L2	L3	ART
DTG	Digital Technologies			L1	L2	L3	TEC
DVC	Design & Visual Communication (Graphics)	*	*	L1	L2	L3	TEC
EAP	English for Academic Purposes			L1	L2	L3	LAN ESOL
ESS	Earth & Space Science				L2	L3	SCI
ECO	Economics			L1	L2	L3	SSC
EFS	English for Further Study			L1/2/3	L1/2/3		LAN ESOL
ELS	English Language Support ESOL	*	*	L1	L2/3		LAN ESOL
ENC	English – Creative Writing			L1			LAN
ENC	English – Crafted Writing				L2	L3	LAN
ENF	English – Formal Writing			L1			LAN
ENG	English	C*	C*		L2	L3	LAN
ESL	English for Speakers of other Languages		*				LAN ESOL
FAN	Food & Nutrition			L1	L2	L3	TEC
FOT	Food Technology		*				TEC
Gateway	Gateway				L1-3	L1-3	STS
GEO	Geography		L1	L1	L2	L3	SSC
GER	German	*	*	L1	L2	L3	LAN
HIS	History			L1	L2	L3	SSC
HOB	Hospitality – Barista					L3	
HOC	Hospitality – Catering					L3	
HOI	Hospitality – Introduction			L1	(L1)		TEC
HOS	Hospitality				L2	(L2)	TEC
HTH	Health	C*	C*	L1	L2	L3	PHE

CODE	COURSE	9	10	11	12	13	Faculty
ITH	Information Technology – Web Design				L2	(L2)	TEC
JAP	Japanese	*	*	L1	L2	L3	LAN
MAA	Maths – Advanced			L1/2	L2		MAT
MAC	Calculus					L3	MAT
MAI	Maths – Advanced			L1			MAT
MAO	Te Reo Māori	*	*	L1	L2	L3	LAN
MAP	Maths – Applied			L1	L1/2	(L1/2)	MAT
MAS	Statistics					L3	MAT
MAT	Maths – Units			L1	L2		MAT
MAX	Mathematics	C*	C*	L1	L2		MAT
MED	Media Studies				L2	L3	LAN
MUP	Music – Applied			L1/2	L2/3	(L2/3)	ART
MUS	Music	*	*	L1	L2	L3	ART
OED	Outdoor Education				L2		PHE
PAW	Programming and Web				L2	L3	TEC
PEA	Physical Education – Advancing			L1			PHE
PCC	Personal and Community Care				L1/2	L3	TEC
PHE	Physical Education	C*	C*	L1	L2	L3	PHE
PHO	Visual Arts – Photography				L2	L3	ART
PXA	Physics Advanced				L2	L3	SCI
PXM	Physics				L2	L3	SCI
SCN	Science – NCEA Level 1		L1				SCI
SCB	Science – Biological			L1			SCI
SCF	Science – Foundation			L1			SCI
SCI	Science	C*	C*				SCI
SCM	Science – Mainstream			L1			SCI
SCP	Science – Physical			L1			SCI
SPC	South Pacific Course	*	*	L1	L2	(L2)	STS
SPN	Spanish			(L1)	L1	L1	LAN
SPS	Sports Studies				L2	L3	PHE
SST	Social Studies	C*	C*				SSC
TEC	Technology	C*					TEC
TEL	Technology – Electronics		*	L1	L2	(L2)	TEC
TEM	Technology – Engineering Materials				L2	L3	TEC
TEP	Technology – Engineering Practical			L1	L2	(L2)	TEC
TFA	Technology – Fashion and Apparel				L2/3		TEC
TFD	Technology – Fashion and Design			L1	L2	L3	TEC
TIM	Text Information Management		*				TEC
TMH	Technology Materials – Hard		*	L1			TEC
TMS	Technology Materials – Soft fabric		*				TEC
TOU	Tourism				L2	L3	SSC

## FACULTY CODES

ART	Arts Faculty	SCI	Science Faculty
PHE	Health and Physical Education Faculty	SSC	Social Sciences & Business Faculty
LAN	Language & Languages Faculty	STS	Student Services Faculty
MAT	Mathematics Faculty	TEC	Technology Faculty

# LEVEL 1 COURSES 2017

## Year 11 – NCEA Level 1

- All students must do THREE consecutive years of Mathematics and Science (Years 9 to 11).
- All students must do FOUR consecutive years of English (Years 9 to 12).
- Students may only do ONE **Technology Materials** course from the following: TMH (Hard materials), TEL (Electronics), TEP (Engineering Practical) or TMS (Soft materials).
- Students take SIX courses including Physical Education and Health. With the Dean's approval a student may do Physical Education as a seventh course in a before school flexi time period.
- Students studying Level 1 Science in Year 10 must do Level 1 Science Physical and/or Science Biology in Year 11.
- Students studying Level 1 Social Studies in Year 10 must do another Level 1 Humanities course (Geography and/or History and/or Economics and/or Accounting and/or an International language) in Year 11.
- In some courses there are Achievement Standards, Unit Standards or a combination of both. Different courses offer different combinations to allow for students who would struggle doing a full programme of 18 - 24 credits of Achievement Standards e.g., Communication English, Sports Studies, Cabinetry and Hospitality. Some students will be recommended to take a particular course by the Faculty Leader.
- Most courses consist of 18 – 24 credits.
- To obtain a Level 1 National Certificate a candidate needs to get at least 80 credits. Within the 80 at least 10 will be for Literacy and 10 for Numeracy (see the note on Literacy and Numeracy requirements on page 5).
- Courses at Level 1 will be endorsed with Merit or Excellence if 14 credits are gained at that grade (or higher). These credits must contain a minimum of three credits assessed internally and a minimum of three credits assessed externally. This is a very good way to demonstrate a high level of achievement. The endorsement appears on the level certificate as well as the Record of Achievement.
- NCEA Certificates at Level 1 will be endorsed with Merit or Excellence if 50 credits are gained at that grade (or higher). This is a very good way to demonstrate a high level of achievement. The endorsement appears on the level certificate as well as on the Record of Achievement.

**FACULTY LEADER: Ms Ankersmit**

Arts						
Drama →	Drama →	Drama L1 →	Drama L2 →	Drama L3		
Drama & Dance →	Drama & Dance →		Dance L2 →	Dance L2/3		
Music →	Music →	Music L1 →	Music L2 →	Music L3		
		Music Applied L1/2/3 →	Music Applied L1/2/3 →	Music Applied L1/2/3		
Visual Arts →	Visual Arts →	VisArts Paint&Print L1 →	Vis Arts Paint L2 →	Visual Arts Paint L3		
Pacific Arts →		Vis Arts Dig Media L1 →	Visual Arts Design L2 →	Visual Arts Design L3		
			Visual Arts Photo L2 →	Visual Arts Photo L3		
				Vis Arts VisCulture L3		

## DIGITAL MEDIA (11ADM)

**LEVEL:** NCEA Level 1 Achievement Standards: **20 credits**

**PREREQUISITES:** Achievement in Year 10 Visual Arts or permission from HOD Visual Arts  
**Exclusions:** students in this course may not take 11ART

**LEARNING ACTIVITIES:** Research, e-learning, drawing, illustration, designing, digital photography, digital painting, Photoshop, folio presentation, exhibition of artwork

**COST / EQUIPMENT:** Materials approximately \$80.00. Students may need to purchase specialist printing paper and additional printing credit during the year, up to \$30.00. A 4Gb pen-drive is also required. Photoshop will be advantageous.

11ADM			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS90914		Use drawing methods for recording information using wet and dry media	1	4				
AS90916		Produce a body of work informed by established practice, which develops ideas, using a range of media	1		12			
AS90917		Produce a finished work that demonstrates skills appropriate to cultural conventions	1	4				

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** This course leads to Level 2, Level 3 Visual Arts Design / Photography, and tertiary study for a wide range of careers: graphic design, product design, display design, interior design, spatial design, architecture, packaging, magazine and book design, animation, illustration, computer graphics, fashion design, textile design, photography, creative industries, and education.

**TIC: Ms Ankersmit**

## VISUAL ARTS (11ART)

**LEVEL:** NCEA Level 1 Achievement Standards: **22 credits**

**PREREQUISITES:** Achievement in Year 10 Visual Arts or permission from HOD Visual Arts  
**Exclusions:** students in this course may not take 11ADM.

**LEARNING ACTIVITIES:** Researching, observational drawing, painting, printmaking, collage, 3-D work, art journal documentation, folio presentation, exhibition of artwork

**COST / EQUIPMENT:** Materials approximately \$70.00.

11ART			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS90914		Use drawing methods for recording information using wet and dry media	1	4				
AS90915		Use drawing conventions to develop work in more than one field of practice	1	6				
AS90916		Produce a body of work informed by established practice, which develops ideas, using a range of media			12			

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** This course leads to Level 2 and Level 3 Visual Arts Painting/ Design / Photography, and tertiary study for a wide range of careers: graphic design, product design, display design, interior design, architecture, packaging, magazine and book design, animation, illustration, computer graphics, fashion design, textile design, photography, creative industries, and education.

**TIC: Ms Stead**

## DRAMA (11DRA)

**LEVEL:** NCEA Level 1 Achievement Standards: **22 credits**

**PREREQUISITES:** This is an open entry course. However, it is useful to have taken some junior Drama. Students will have good group skills as well as be able to work independently to meet performance deadlines. Students will need to be able to perform in front of an audience. As there is a significant amount of group work involved in this course, a good attendance record is essential as a prerequisite for entry.

**LEARNING ACTIVITIES:** Acting. Devising Theatre. Working with Scripts. Reviewing Performance. Researching and performing a Theatre Form.

**COST / EQUIPMENT:** \$10 for workbooks and plus costs associated with attending at least one live theatre performance.



11DRA			eligible for Course Endorsement		CREDITS	
Standard	L/N	Title	Level	Int	Ext	
AS90999	L	Use Features of a Drama/Theatre Form in a performance	1	4		
AS90997	L	Devise and Perform a Drama	1	5		
AS90006	L	Apply Drama Techniques in a Dramatic Context	1	4		
AS90009	L	Perform an Acting Role in a Scripted Production	1	5		
AS90011	L	Demonstrate Understanding of the use of Drama aspects within Live Performance	1			4

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** Development of performance ability is relevant to situations that require presentation skills. The ability to communicate clear intentions to an audience is desirable in a number of professions. Self-discipline, focus, confidence and good group cooperative skills are personal attributes valued by employers and tertiary study providers. Careers associated with the skills developed through creating theatre and performance work include; television and radio broadcasting, film making, teaching, law, event management, journalism, film and theatre acting, dance and fitness trainer, community and social work.

TIC: Miss Nicholson

## MUSIC (11MUS)

**LEVEL:** NCEA Level 1 Achievement Standards: 20 - 24 credits from those listed

**PREREQUISITES:** Satisfactory achievement in Year 10 Music or permission from HOD Music. Students should have already been learning an instrument for at least a year and must currently be receiving tuition on the instrument they intend to use for performance assessment.  
Exclusions: students in this course cannot take 11MUP

**LEARNING ACTIVITIES:** Solo and group performance, Composition, Theory Knowledge, Aural Skills, Music Technology, Music Analysis and Context

**COST / EQUIPMENT:** Must own or hire an instrument for home practice. Students MUST be learning their instrument, either through the itinerant system at school, or privately. Students not attending lessons will not be able to take this course.  
Materials costs \$10 (plus itinerant music lessons and/or instrument hire cost if applicable).

11MUS			eligible for Course Endorsement		CREDITS	
Standard	L/N	Title	Level	Int	Ext	
AS91090		Perform two pieces of music as a featured soloist	1	6		
AS91091		Demonstrate ensemble skills through performing a piece of music as a member of a group	1	4		
AS91092		Compose two original pieces of music	1	6		
AS91093		Demonstrate aural and theoretical skills through transcription (optional)	1			4
AS91094	L	Demonstrate knowledge of conventions used in music scores	1			4
AS91095	L	Demonstrate knowledge of two music works from contrasting contexts.	1	6		

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** Composer, arranger, performer, instrumental teacher, school teacher, audio engineer, song writer

TIC: Mrs Norman

## MUSIC - APPLIED (11MUP)

**LEVEL:** NCEA Level 1 and/or 2 Achievement Standards: 20 credits from those listed

**PREREQUISITES:** Basic skills on an instrument. Students must be having tuition on an instrument for performance assessments.  
**Exclusions:** students in this course cannot take 11MUS

**LEARNING ACTIVITIES:** Solo and group performance, Composition, Recording and Music Technology

**COST / EQUIPMENT:** Must own or hire an instrument for home practice. Students MUST be learning their instrument, either through the itinerant system at school, or privately. Students not attending lessons will not be able to take this course.  
Materials costs \$10 (plus itinerant music lessons and/or instrument hire cost if applicable).

11MUP			not eligible for Course Endorsement		CREDITS	
Standard	L/N	Title	Level	Int	Ext	
AS91090		Perform two pieces of music as a featured soloist	1	6		
AS91091		Demonstrate ensemble skills through performing a piece of music as a member of a group	1	4		
AS91092		Compose two original pieces of music	1	6		
AS91095	L	Demonstrate knowledge of two music works from contrasting contexts	1	4		

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** Composer, arranger, performer, instrumental teacher, school teacher, audio engineer, song writer

TIC: Mrs Norman

Physical Ed & Health →	Physical Ed & Health →	Physical Ed & Health →	Phys Ed Advancing L1 →	Outdoor Education L2 →	Physical Ed L2 →	Physical Ed L3 →
			Physical Ed L1 →	Physical Ed L2 →	Sports Studies L2+U Std →	Sports Studies L3+U Std →
			Physical Ed L1 →	Health Studies L2 →	Outdoor Education L2 →	Health Studies L3 →
			Phys Ed Advancing L1 →	Physical Ed L2 →		Physical Ed L3 →

## HEALTH & PHYSICAL EDUCATION

(11HTH)&(11PHE)

### Health

**LEVEL:** NCEA Level 1 Achievement Standards: **9 credits**

**PREREQUISITES:** None

**LEARNING ACTIVITIES:** Co-operative activities and assignments, developing skills to participate in a range of social activities, building responsible relationships, respecting others, developing personal responsibility, coping constructively with challenges, peer pressure and social conflict.

**COST / EQUIPMENT:** Students are required to provide their own stationary

11HTH		eligible for Course Endorsement in combination with 11PHE			CREDITS		
Standard	L/N	Title	Level	Int	Ext		
AS90973	L	Demonstrate understanding of interpersonal skills used to enhance relationships.	1	5			
AS90974	L	Demonstrate understanding of strategies for promoting positive sexuality.	1	4			

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** Health develops interpersonal skills and personal and social responsibility for any career. It can directly lead on to a wide range of health related careers including Medicine, Nursing, Politics, Public Health, Community Health Work, Social Work, Psychology, Sociology, Alcohol & Drug Counseling, Health Promotion, Sport & Exercise Science, Physiotherapy, Occupational Therapy, etc.

### Physical Education

**LEVEL:** NCEA Level 1 Achievement Standards: **15 credits**

**PREREQUISITES:** None

**LEARNING ACTIVITIES:** This course focuses on level 6 of the Health and Physical Education Curriculum. It will offer you the opportunity to experience and participate in a wide range of physical activities, in a variety of contexts. You will study how the body moves and responds to physical activity, as well as be able to develop your interpersonal skills in a variety of settings. The main focus of this course is to equip you with the necessary skills to maintain and develop your personal well-being, both now and in the future, as well as to prepare you for future academic and vocational opportunities within the physical education domain.

**COST / EQUIPMENT:** Lynfield College Physical Education Gear is required

11PHE		eligible for Course Endorsement in combination with 11HTH			CREDITS		
Standard	L/N	Title	Level	Int	Ext		
AS90962		Participate actively in a variety of physical activities and explain factors that influence own participation.	1	5			
AS90964		Demonstrate quality movement in the performance of a physical activity.	1	3			
AS90966	L	Demonstrate interpersonal skills in a group and explain how these skills impact on others	1	4			
AS90967	L	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	1	3			

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** P.E teaching, Sports medicine, Physiotherapy, Recreation and Health related careers.

**TIC:** Ms Connew

## PHYSICAL EDUCATION - ADVANCING

(11PEA)

**LEVEL:** NCEA Level 1 Achievement Standards: **24 credits**

**PREREQUISITES:** Referral from Year 10 Physical Education Teacher and Health Teacher

**LEARNING ACTIVITIES:** This course focuses on level 6 of the Health and Physical Education Curriculum. It will offer you the opportunity to experience and participate in a wide range of physical activities, in a variety of contexts. You will study how the body moves and responds to physical activity, as well as be able to develop your interpersonal skills in a variety of settings. The main focus of this course is to equip you with the necessary skills to progress to Level 2 Physical Education.

**COST / EQUIPMENT:** \$60 for the participation in recreational activities in the community. Lynfield College Physical Education Gear is required as well as an exercise book and a device with video capability.

11PEA		eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext		

AS90962		Participate actively in a variety of physical activities and explain factors that influence own participation.	1	5	
AS90963	L	Describe the function of the body as it relates to the performance of physical activity.	1	5	
AS90964		Demonstrate quality movement in the performance of a physical activity.	1	3	
AS90965	L	Demonstrate understanding of societal influences on physical activity and the implications for self and others.	1	4	
AS90967	L	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	1	3	
AS90974	L	Demonstrate understanding of strategies for promoting positive sexuality	1	4	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** It is intended that students who have a strong interest in continuing with Physical Education in Level 2 and 3 take this course.

TIC: Mrs Connew

## LANGUAGE & LANGUAGES FACULTY LAN

**FACULTY LEADER: Ms Feist**

English	→ English	→ Eng creative writing L1 → Eng formal writing L1 → Com English L1	→ Eng crafted writing L2 → English L2 → Media Studies L2 → Com English L1/L2 U Std	→ Eng crafted writing L3 → English L3 → Media Studies L3 → Com English L2/3 U Std
ESOL	↔	↔ English Academic L1 U Std ↔ EFS L1 U Std	↔ English Academic L2 U Std ↔ EFS L2 U Std	↔ English Academic L2/3+U Std
ELS ELIP	→ ELS → ELIP	→ ELS L2 U Std → ELIP	→ ELS L2/3 U Std → ELIP	→ ELS → ELIP → Adults ESOL
Language	→ German → Japanese → Chinese → Māori	→ German L1 → Japanese L1 → Chinese L1 → Māori L1	→ German L2 / (Cor) → Japanese L2 / (Cor) → Chinese L2 / (Cor) → Māori L2 / (Cor) → Spanish L1( o )	→ German L3 / (Cor) → Japanese L3 / (Cor) → Chinese L3 / (Cor) → Māori L3 / (Cor)

### COMMUNICATIONS ENGLISH (11CEN)

**LEVEL:** NCEA Level 1 Unit Standards: **18 credits** including Level 1 literacy component

**PREREQUISITES:** Two years secondary English

**LEARNING ACTIVITIES:** This course covers the literacy requirement of NCEA. Includes personal and close reading as well as reading texts for practical purposes. Writing to communicate clearly and formal letter writing styles will be covered. Speaking and listening make up an important part of this course.

**COST / EQUIPMENT:** A suitable device and a 1B5 exercise book.

11CEN		not eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext
US2970		Independently read texts about life experiences	1	3	
US3483		Writing – fill in a form	1	2	
US10792		Write formal personal correspondence	1	3	
US26624	L	Read texts with understanding	1	3	
US26622	L	Write to communicate ideas for a purpose and audience	1	4	
US26625	L	Actively participate in spoken interactions	1	3	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** Students who are successful in this course will be credited with the literacy component of NCEA and have demonstrated ability in basic English skills. English is a language-rich subject, and a requirement for all future career and vocational pathways.

TIC: Ms Feist

### ENGLISH – CREATIVE WRITING (11ENC)

**LEVEL:** NCEA Level 1 Achievement Standards: **22 credits**

**PREREQUISITES:** Achieved grades for creative writing folder and formal response essays in Year 10. Some Merit and Excellence grades preferred.

**LEARNING ACTIVITIES:** This course for confident writers follows the national curriculum, covering speaking, listening, writing, reading, presenting and viewing. There will be an emphasis on wide reading with close reading, and a response to written and visual texts all assessed through the external exam. Creative writing and production skills will be taught and assessed. All credits gained from this course count towards the Level 1 literacy requirement.

**COST / EQUIPMENT:** A suitable device and refill.

11ENC		eligible for Course Endorsement	CREDITS
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Standard	L/N	Title	Level	Int	Ext
AS90849	L	Show understanding of specified aspect(s) of studied written text(s) with supporting evidence	1		4
AS90850	L	Show understanding of specified aspect(s) of studied visual or oral text(s) with supporting evidence	1		4
AS90851	L	Show understanding of specified aspect(s) of unfamiliar written texts through close reading, with supporting evidence	1		4
AS90052	L	Produce creative writing	1	3	
AS90857	L	Construct and deliver an oral presentation	1	3	
AS90852	L	Explain significant connection(s) across texts, using supporting evidence	1	4	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** English is a language-rich subject, and a requirement for all future career and vocational pathways.

TIC: Ms Feist

## ENGLISH – FORMAL WRITING (11ENF)

**LEVEL:** NCEA Level 1  
Achievement Standards: **20 credits**

**PREREQUISITES:** Achievement level for 3-4 of the assessments in Year 10 English

**LEARNING ACTIVITIES:** This course follows the national curriculum, covering speaking, listening, writing, reading, presenting and viewing. The two external standards will assess close reading and response to written text. There will be an emphasis on wide reading with responses to written and visual texts assessed through internal assessment. Formal writing and production skills will be taught and assessed. All credits gained from this course count towards the Level 1 literacy requirement.

**COST / EQUIPMENT:** A suitable device and a 1B5 exercise book and refill.

11ENG			eligible for Course Endorsement		CREDITS
Standard	L/N	Title	Level	Int	Ext
AS90849	L	Show understanding of specified aspect(s) of specified aspect(s) of studied written text(s) with supporting evidence	1		4
AS90851	L	Show understanding of specified aspect(s) of unfamiliar written texts through close reading, with supporting evidence	1		4
AS90053	L	Produce formal writing	1	3	
AS90857	L	Construct and deliver an oral presentation	1	3	
AS90855	L	Create a visual text	1	3	
AS90856	L	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	1	3	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** English is a language-rich subject, and a requirement for all future career and vocational pathways.

TIC: Ms Feist

## TE REO MĀORI (11MAO)

**LEVEL:** NCEA Level 1 Achievement Standards: **30 Credits**

**PREREQUISITES:** Year 10 Māori is recommended. Must have permission from Mrs Leauga the Head of Māori if you have not taken Year 10 Māori. Students may be willing to pursue a career in Māori media/ Māori language teaching or enhance their career prospects by having an additional language.

**LEARNING ACTIVITIES:** This course contains practical and theory based activities where students will learn about speaking, writing, listening and watching Te Reo Māori. In addition, Manaaki Marae (Marae hospitality) will have akonga preparing and serving kai for manuhiri to the marae. Assessments will be both practical and theory based.

**COST / EQUIPMENT:** \$50.00. Class trips: Marae, Māori show-Kapa Haka and Museum.

11MAO			eligible for Course Endorsement		CREDITS
Standard	L/N	Title	Level	Int	Ext
AS91085	L	Whakarongo kia mōhio ki te reo o tōna ao	1	6	
AS91086	L	Kōrero kia whakamahi i te reo o tōna ao	1	6	
AS91087	L	Pānui kia mōhio ki te reo o tōna ao	1		6
AS91088	L	Tuhi i te reo o tōna ao	1		6
AS91089	L	Waihanga tuhinga i te reo o tōna ao	1	6	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** Māori Media, Land Law, Education, Tertiary Teaching, Whānau/Hapu management. Language specialisation can be integral for all of the above careers, and knowledge of tikanga Māori will improve job prospects.

TIC: Mrs Leauga

**ENGLISH FOR ACADEMIC PURPOSES****(11EAP)**

**LEVEL:** NCEA Level 1  
Level 1 Achievement Standards and Level 2/3 English Language (EL) Unit Standards: **22 credits**, depending on mix, including literacy component.

**PREREQUISITES:** Completion of Year 10 English or equivalent.

**LEARNING ACTIVITIES:** This course covers the literacy requirement of NCEA. Includes personal reading and reading of texts for practical purposes. Speaking and listening form an important part of this course. Grammatical structure and vocabulary extension activities. Research and use of the library.

**COST / EQUIPMENT:** \$20 for a vocabulary workbook: *Improve Your Vocabulary Book 1*. Exercise book and usual writing equipment.

11EAP			eligible / not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US28022		Demonstrate understanding of simple spoken information on familiar topics (EL)	2	5				
US28056		Read and understand texts on familiar topics (EL)	3	5				
AS90053	L	Produce formal writing	1	3				
AS90857	L	Construct and deliver an oral text	1	3				
AS90855	L	Create a visual text	1	3				
AS90856	L	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	1	3				

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**  
Level 1 is the **English** level; Level 2 indicates the **ESOL** levels

**PATHWAYS / CAREER RELEVANCE:** These standards will support students in working towards achieving the necessary Level 1 literacy component for NCEA

TIC: Mr Bangs

**ENGLISH LANGUAGE SUPPORT ESOL****(11ELS)**

**LEVEL:** Level 2 English Language (EL) Unit Standard: **8 credits**.  
An option for senior students requiring additional English language support.

**PREREQUISITES:** For students from language backgrounds other than English. No prior study required BUT students must also enroll in 11EAP, 11EFS or 12EFS.

**LEARNING ACTIVITIES:** Using a variety of interactive strategies, students will develop grammar and vocabulary and writing, improve reading and listening comprehension and be assisted in coping with the language demands of their other subjects. The work done in this class will contribute towards the achievement of the Literacy Unit Standards in 11EAP or 11EFS.

**COST / EQUIPMENT:** Exercise book and usual writing equipment.

11ELS			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US27999		Write basic or simple information texts on familiar topics. Note this is the recount task for the standard and is combined with students' results in 11EFS.	2	8				

**PATHWAYS / CAREER RELEVANCE:** An interim course designed to help students understand English skills required in mainstream courses and make a smooth transition to a full programme.

TIC: Mr Bangs

**ENGLISH FOR FURTHER STUDY****(11EFS)**

**LEVEL:** NCEA Level 1 Achievement Standard and NCEA Level 1 and 2 English Language (EL) Unit Standards **24 credits**.

**PREREQUISITES:** Completion of the ELIP Foundation course or equivalent. Students must also study 11ELS

**LEARNING ACTIVITIES:** This course covers the literacy requirement of NCEA, but ensures that students who are not yet capable of gaining literacy are able to achieve ESOL standards. Includes personal reading and reading of basic texts to show comprehension. Speaking and listening form an important part of this course. Grammatical structure and vocabulary extension activities. Writing information reports using personal research and use of the library.

**COST / EQUIPMENT:** A clearfile, an exercise book and usual writing equipment.

11EFS			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US28022		Understand spoken information on familiar topics (EL)	2	5				
US27999		Write basic or simple information texts on familiar topics (EL)	2	8				
US27983		Read basic or simple information texts on familiar topics (EL)	2	8				
US27991		Participate in simple spoken exchanges on personal and familiar topics (EL)	2	10				

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** These standards will support students in working towards achieving the necessary Level 1 literacy component for NCEA.

TIC: Mr Bangs

**CHINESE (MANDARIN) (11CHI)**

**LEVEL:** NCEA Level 1 Achievement Standards: **19 credits**  
**PREREQUISITES:** Year 10 Chinese preferred. Entry is possible without Year 10 Chinese but permission is required from the TIC of Chinese.

**LEARNING ACTIVITIES:** This course covers the national curriculum at level five and six. A variety of tasks to develop the four key language skills: listening, reading writing and speaking in the following areas: Family & pets, countries and languages, sports & recreation, school & friends, eating and drinking, daily routines & occasions, home & location, clothes and shopping. Students can understand and produce more complex language and can communicate beyond the immediate context.

**COST / EQUIPMENT:** \$ 26 for workbook, \$ 20 for 'Language Perfect' - online vocabulary tool for use at home (annual fee)

11CHI			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS90868		Demonstrate understanding of a variety of spoken Chinese texts on areas of most immediate relevance	1		5			
AS90869		Give a spoken presentation in Chinese that communicates a personal response	1	4				
AS90871		Demonstrate understanding of a variety of Chinese texts on areas of most immediate relevance	1		5			
AS90872		Write a variety of text types in Chinese on areas of most immediate relevance	1	5				

**PATHWAYS / CAREER RELEVANCE:** Trade, tourism, education (teaching), diplomacy and technology amongst many others

**TIC: Ms Fang**

**GERMAN (11GER)**

**LEVEL:** NCEA Level 1  
Achievement Standards: **19 credits**

**PREREQUISITES:** Year 10 German. Otherwise permission required from TIC German.

**LEARNING ACTIVITIES:** This course covers the national curriculum at Levels Five and Six. Students can understand and produce more complex language. They can communicate beyond the immediate context, for example, past and future events. Students can understand and produce a variety of text types.

The activities involve listening, speaking, reading and writing. Main areas of study: Home, school and community routines / Enjoying time with family and friends / Home town, region, country / Holidays and travel / Geography and weather / People and things; their appearance and qualities / Making social arrangements / Entertainment.

**COST / EQUIPMENT:** \$36 for workbook, \$20 for 'Language Perfect' - online vocabulary tool for use at home (annual fee)

11GER			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS90883		Demonstrate understanding of a variety of spoken German texts on areas of most immediate relevance	1		5			
AS90884		Give a spoken presentation in German that communicates a personal response	1	4				
AS90886		Demonstrate understanding of a variety of German texts on areas of most immediate relevance	1		5			
AS90887		Write a variety of text types in German on areas of most immediate relevance	1	5				

**PATHWAYS / CAREER RELEVANCE:** Business, Diplomatic Service, Trade, Foreign Banking, Community Service, International Law, Tourism, Science, Engineering, Technology, Politics, Music, Education.

**TIC: Ms Zimmer**

**JAPANESE (11JAP)**

**LEVEL:** NCEA Level 1 Achievement Standards: **19 credits**

**PREREQUISITES:** Year 10 Japanese preferred. Entry is possible without Year 10 Japanese but permission is required from the TIC of Japanese.

**LEARNING ACTIVITIES:** A variety of tasks to develop the four key language skills: listening, reading, writing, and speaking. Areas studied: Free-time, neighborhoods, shopping, sport and leisure, school life, town and directions, travel and holidays. Students may apply for our 5-week exchange to Japan.

**COST / EQUIPMENT:** \$20 for 'Language Perfect' - online vocabulary tool for use at home (annual fee)

11JAP			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS90893		Demonstrate understanding of a variety of spoken Japanese texts relating to areas of most immediate relevance	1		5			
AS90894		Give a spoken presentation in Japanese that communicates a personal response	1	4				
AS90896		Demonstrate understanding of a variety of written/visual Japanese texts relating to areas of most immediate relevance	1		5			
AS90897		Write a variety of text types in Japanese on areas of most immediate relevance	1	5				

**PATHWAYS / CAREER RELEVANCE:** Trade, Teaching (Education), JET Programme (international relations / translating), Hospitality / Tourism, Services for Japanese living in NZ (Doctor, Accountant, Lawyer, Real Estate, Banking etc)

**TIC: Mr Burden**



Maths	Maths L1	→	Maths Advanced r L1/2	→	Maths Advanced r L2	→	Maths - Calculus L3
	→ Maths	→	Maths L1	→	Maths L2	→	Maths - Statistics L3
			Maths Units L1	→	Maths Units L2	→	
			Maths Applied L1	→	Maths Applied L1/2	→	

### MATHEMATICS & STATISTICS – ADVANCED (11MAA) & (11MAI)

**LEVEL:** NCEA Level 1 Achievement Standards: **23 credits**  
NCEA Level 2 Achievement Standards: **5 credits** (11MAA only)

**PREREQUISITES:** Year 10 Mathematics. An end of year grade “5” preferred. Students will be selected for Advanced level courses from those who apply within their course selections.

**LEARNING ACTIVITIES:** General mathematics course which leads on to higher level of mathematics studies. A greater emphasis on algebra and on ‘Excellence’ standard of achievement than the 11MAX course.

**COST / EQUIPMENT:** Scientific calculator essential – graphics calculator preferred. Protractor and ruler are essential. Subscription to Education Perfect.

**1MAI & 11 MAA** **eligible for Course Endorsement** **CREDITS**

Standard	L/N	Title	Level	Int	Ext
AS91026	N	Apply numeric reasoning in solving problems	1	4	
AS91027	N	Apply algebraic procedures in solving problems	1		4
AS91028	N	Investigate relationships between tables, equations and graphs	1		4
AS91038	L/N	Investigate a situation involving elements of chance	1	3	
AS91031	N	Apply geometric reasoning in solving problems	1		4
AS91035	L/N	Investigate a given multivariate data set using the statistical enquiry cycle	1	4	

**11MAA only**

AS91258	N	Apply sequences and series in solving problems (11MAA only)	2	2	
AS91259	N	Apply trigonometric relationships in solving problems (11MAA only)	2	3	

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** Leads on to 12MAX or 12MAA (advanced), Students develop skills in investigating patterns, solving problems with an analytical focus and presenting logical arguments.

**TIC: Mrs Kaniuk**

### MATHEMATICS & STATISTICS (11MAX)

**LEVEL:** NCEA Level 1 Achievement Standards: **20 credits**

**PREREQUISITES:** Year 10 Mathematics, or equivalent. An end of year Achievement grade of “3” (or better) is required.

**LEARNING ACTIVITIES:** Course Includes aspects of algebra, geometry, number, statistics and trigonometry. Written and practical methods of study.

**COST / EQUIPMENT:** Scientific calculator, protractor and ruler are essential. Subscription to Education Perfect.

**11MAX** **eligible for Course Endorsement** **CREDITS**

Standard	L/N	Title	Level	Int	Ext
AS91026	N	Apply numeric reasoning when solving problems	1	4	
AS91027	N	Apply algebraic procedures in solving problems	1		4
AS91028	N	Investigate relationships between tables, equations and graphs	1		4
AS91031	N	Apply geometric reasoning in solving problems	1		4
AS91035	L/N	Investigate a given multivariate data set using the statistical enquiry cycle	1	4	

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** Leads on to higher levels of mathematics. Students develop skills in investigating patterns, solving problems with an analytical focus and presenting logical arguments.

**TIC: Mrs Kaniuk**

### MATHS - UNITS (11MAT)

**LEVEL:** NCEA Level 1 Achievement Standards: **20 credits**

**PREREQUISITES:** Year 10 Mathematics

**LEARNING ACTIVITIES:** General Mathematics course includes units of work from within Number, Measurement, Geometry, Statistics and Algebra strands using written and practical methods.

**COST / EQUIPMENT:** Scientific calculator essential.

### 11MAT

Standard	L/N	Title	Level	CREDITS	
				Int	Ext
AS91026	N	Apply numeric reasoning in solving problems	1	4	
AS91029	N	Apply linear algebra in solving problems	1	3	
AS91032	N	Apply right-angled triangles in solving measurement problems	1	3	
AS91035	L/N	Investigate a given multivariate data set using the statistical enquiry cycle	1	4	
AS91030	N	Apply measurement in solving problems	1	3	
AS91038	L/N	Investigate a situation involving elements of chance	1	3	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** An important basis for study in some other courses. Successful completion leads to Level 2 (12MAT) in the following year.

TIC: Mr Paine

### MATHS - APPLIED

(11MAP)

**LEVEL:** NCEA Level 1 Achievement Standards: **7 credits**, Unit Standards: **10 credits**

**PREREQUISITES:** Year 10 Mathematics

**LEARNING ACTIVITIES:** Basic mathematics course, including units of work from within Number, Measurement and Statistics strands using written and practical methods.

**COST / EQUIPMENT:** Scientific calculator, ruler, protractor.

### 11MAP

not eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
US26623	N*	Use number to solve problems	1	4	
US26627	N*	Use measurement to solve problems	1	3	
US26626	N*	Interpret statistical information for a purpose	1	3	
AS91026	N	Apply numeric reasoning in solving problems	1	4	
AS91038	L/N	Investigate a situation involving elements of chance	1	3	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

\* Work and Study Skills credits. All 3 standards must be achieved to gain the 10 credits required for L1 Numeracy.

**PATHWAYS / CAREER RELEVANCE:** An important basis for life skills and study in many other courses. Leads to further study at Year 12: (12MAP: at least 12 Level 1 Mathematics credits required, 12MAT: at least 17 Level 1 Mathematics credits required.)

TIC: Mrs Prasad

## SCIENCE FACULTY

SCI

FACULTY LEADER: Mr Eyre

Science	→ Science → Science Adv L1	→ Sci Biological Adv r L1	→→ Biology Adv r L2	→→ Biology Adv r L3/Schol
		→ Science Foundation L1	→→ Biology L2	→→ Biology L3
		→ Science Mainstream L1	→→ Earth & Space Sci L2	→ Earth & Space Sci L3/Schol
			→ Chemistry L2	→→ Chemistry L3
			→ Chemistry Adv r L2	→→ Chemistry Adv r L3/Schol
	→ Sci Physical Adv r L1	→→ Physics Adv r L2	→→ Physics Adv r L3/Schol	
		→ Physics L2	→→ Physics L3	

### SCIENCE- BIOLOGY

(11SCB)

**LEVEL:** NCEA Level 1 Achievement Standards: **19 credits**

**PREREQUISITES:** NCEA Level 1 Science or Year 10 Science at a Merit or Excellence level. This is an academically demanding course. Applicants will be considered on the basis of their overall achievement in NCEA Level 1 / Year 10 Science with an emphasis on their achievement in Biology. Students from Year 10 Science **MUST** also take 11SCM as a second science option.

**LEARNING ACTIVITIES:** Practical work, models, self-paced activities, note-taking, videos. Students will carry out directed research, much of which has to be done in their own time. They will be encouraged to use the Internet as a research tool.

Homework is a vital part of the course and students can expect to have regular homework set.

**COST / EQUIPMENT:** Workbooks approx. \$26 and trips \$40

### 11SCB

eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS90949		Investigate life processes and environmental factors that affect them	1	4	
AS90951		Investigate the biological impact of an event on a NZ ecosystem	1	4	
AS90927	L	Demonstrate understanding of biological ideas relating to micro-organisms	1		4
AS90928	L	Demonstrate understanding of biological ideas relating to the life cycle of flowering plants.	1		4
AS90929	L	Demonstrate understanding of biological ideas relating to a mammal as a consumer	1		3

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This course provides students with a deeper understanding of Biology and its applications to everyday life. It is an excellent preparation for Level 2 and 3 Biology. Biology is relevant to all fields of health science; medicine, sports science, animal studies, horticulture and forestry, biotechnology, ecology, wildlife management, agriculture and forensics.

TIC: Miss Reed

**SCIENCE - FOUNDATION (11SCF)**

**LEVEL:** NCEA Level 1 Achievement Standards: **19 credits**

**PREREQUISITES:** Completed the Year 9 and 10 Science courses.

**LEARNING ACTIVITIES:** This course develops the fundamental concepts taught in Year 9 and 10 Science. Students will experience a wide variety of learning opportunities involving literacy and numeracy skills, scientific knowledge and application, thinking skills, problem solving and practical skills. Students will experience a wide variety of achievement opportunities through internally assessed activities, practical work, mini projects, group work, models and puzzles

**COST / EQUIPMENT:** Workbook \$10

11SCF			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS90925	N	Carry out a practical investigation in a biological context, with direction	1	4				
AS90935	N	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction.	1	4				
AS90930	N	Carry out a practical chemistry investigation, with direction	1	4				
AS90953	L	Demonstrate understanding of carbon cycling	1	4				
AS90929■	L	Demonstrate understanding of biological ideas relating to a mammal(s) as a consumer(s)	1		3			

**Notes:** ■ prerequisite for L2 Earth and Space Science

L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** By the end of this course, successful students will have the necessary background to progress to the Level 2 Biology &/or Earth and Space Science courses, or to the Level 1 Science Mainstream course. To progress on to these courses, students need to achieve in the external exam, as well as the internal assessments.

TIC: Mr Eyre

**SCIENCE - MAINSTREAM (11SCM)**

**LEVEL:** NCEA Level 1 Achievement Standards: **20 credits**

**PREREQUISITES:** Successful completion of the Year 9 and 10 Science courses, to at least an overall Achieved standard.

**LEARNING ACTIVITIES:** This course develops the fundamental concepts taught in Year 9 and 10 Science. Students will experience a wide variety of learning opportunities involving scientific knowledge and application, thinking skills, literacy and numeracy skills, research techniques, experimental design, problem solving and practical skills.

**COST / EQUIPMENT:** Workbook \$25

11SCM			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS90925	N	Carry out a practical investigation in a biological context, with direction.	1	4				
AS90935★	N	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction.	1	4				
AS90940★	N	Demonstrate understanding of mechanics	1		4			
AS90944◆		Demonstrate understanding of aspects of acids and bases	1		4			
AS90948■	L	Demonstrate understanding of biological ideas relating to genetic variation	1		4			

**Notes:** ★ prerequisite for L2 Physics, ◆ prerequisite for L2 Chemistry, ■ prerequisite for L2 Biology

L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** Level 1 Science Mainstream provides essential background knowledge and skills for successful study in NCEA Level 2 Biology, Chemistry, Physics and Earth and Space Science. To progress on to these Level 2 courses, students need to succeed in the relevant external exam. Studies in Science are essential for students considering careers in the following areas: Sciences, Engineering, Technology, Medical and Health Sciences, Architecture and Landscape Design, Environment, Farming, Computing and Electronics, Communication, Aviation and many others.

TIC: Mr Eyre

**SCIENCE – PHYSICAL (11SCP)**

**LEVEL:** NCEA Level 1 Achievement Standards: **20 credits**

**PREREQUISITES:** This is an academically demanding course as it seeks to bridge the gap between L1 and L2 Sciences.

**Prerequisites:**

Achieve with Merit average or higher in Year 10 NCEA Level 1 Science, based on results from school assessments during the year, with an emphasis on performance in Physics and Chemistry, and Faculty Leader's endorsement. Students may also wish to take Level 1 Biological Sciences as a second Science option.

OR

Achieve with Excellence in both Year 9 and 10 Science, based on results from school assessments across both years, with an emphasis on their performance in Physics and Chemistry, and Faculty Leader's endorsement. Students from Year 9 and 10 Science **MUST** also take 11SCM as a second Science option.

**LEARNING ACTIVITIES:** Taught as two half year courses by specialist teachers, students will experience a wide variety of learning opportunities involving scientific knowledge and application, thinking skills, literacy and numeracy skills, research techniques, experimental design, problem solving and practical skills.

**COST / EQUIPMENT:** Workbooks \$35 approximately; ICAS Science Exam \$8.50; Australian Chemistry Quiz \$6.50 calculator is essential.

11SCP			eligible for Course Endorsement		CREDITS	
Standard	L/N	Title	Level	Int	Ext	
AS90932♦		Demonstrate understanding of aspects of carbon chemistry	1		4	
AS90934♦		Demonstrate understanding of chemical reactions	1		4	
AS90937★	N	Demonstrate understanding of aspects of electricity and magnetism	1		4	
AS90938★	N	Demonstrate understanding of aspects of wave behaviour	1		4	
AS90930♦	N	Carry out a practical chemistry investigation, with direction	1	4		

**Notes:** ★ prerequisite for L2 Physics, ♦ prerequisite for L2 Chemistry  
L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** This course provides students with a deeper understanding of Physics and Chemistry and their applications to everyday life. It is an excellent preparation for Level 2 and 3 Physics and Chemistry (see Physics (Advanced) and Chemistry (Advanced) courses). Studies in science are essential for students considering careers in the following areas: Sciences, Engineering, Technology, Medical and Health Sciences, Architecture and Landscape design, Environment, Farming, Computing and Electronics, Communications, Aviation, Applied Geology, Energy Management, Oceanography, etc.

TIC: Mr Reddy and Ms Mehta

## SOCIAL SCIENCES & BUSINESS FACULTY SST

**FACULTY LEADER: Mrs Marshall**

Social Studies →	Social Studies	↘							
	Soc Studies L1	→↘	History L1	→↘	History L2	→	History L3		
	Geography L1	↗	Classical St Geography L1	→↘	Classical St Geography L2	→	Classical Studies L3		
					Tourism L2 U Std	→	Geography L3		
						→	Tourism L3 U Std		
Business Studies →	BusinessStudies	↗↘	Economics L1	→↘	Economics L2	→	Economics L3		
					Business L2	→	Business L3		
			Accounting L1	→↗	Accounting L2	→↘	Accounting L3		
				Commerce L2	↗				

## GEOGRAPHY (11GEO)

**LEVEL:** NCEA Level 1 Achievement Standards: **18 credits**

**PREREQUISITES:** Two Achieved grades in the Year 10 Social Studies exam or HOD approval.

**LEARNING ACTIVITIES:** The external component of the course is based around two standards: **Population Issues** - demonstrating an understanding of population concepts relating to **New Zealand, China and India**, and **Geographic Skills** (using maps, graphs, photos, diagrams, etc.), assessed using a range of resources from around the world. In addition to these major topics, there are three internals focusing on **sustainable use of an environment, traffic patterns** around Lynfield College and simulating the impacts on Auckland of a **volcanic eruption in the Manukau Harbour**. Students will gather primary data for research from field work, write reports and investigate geographic issues by applying geographic skills such as map reading and graphing.

**COST / EQUIPMENT:** Compulsory Skills workbook \$21  
Field trip – two days to Rotorua and a dairy farm approx. \$175

11GEO			eligible for Course Endorsement		CREDITS	
Standard	L/N	Title	Level	Int	Ext	
AS91008	L	Demonstrate geographic understanding of population concepts	1		4	
AS91009	L	Demonstrate a geographic understanding of sustainable resource use	1	3		
AS91010	N	Apply geographic skills and ideas, with direction, to interpret a given context	1		4	
AS91011	L/N	Conduct geographic research, with direction.	1	4		
AS91014		Apply spatial analysis, with direction, to solve a geographic problem	1	3		

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** These occupations include environmental science, environmental officer, water and coastal management officers, traffic planner, ecologist, pollution control officer, park ranger, journalist, business manager, officer in the armed forces, weather forecaster, tourist officer, teacher, town planner and careers focusing on environmental concerns among many others.

**HISTORY (11HIS)****LEVEL:** NCEA Level 1 Achievement Standards: **24 credits****PREREQUISITES:** None**LEARNING ACTIVITIES:** The Year 11 course deals with some of the major issues of the 20<sup>th</sup> century such as: New Zealanders at War, Black Civil Rights in the USA and Protest and Conflict in New Zealand. Classroom methods encourage students to find and process information using a range of resources such as photos, newspapers, cartoons, documents and video. Field trips take students to historic sites for further research.**COST / EQUIPMENT:** A small fee for each of the field trips.

11HIS			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS91001	L	Carry out an investigation of an historical event, or place, of significance to New Zealanders	1	4				
AS91002	L	Demonstrate understanding of an historical event, or place, of significance to New Zealanders	1	4				
AS91003	L	Interpret sources of an historical event of significance to New Zealanders	1		4			
AS91004	L	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders	1	4				
AS91005	L	Describe the causes and consequences of an historical event	1		4			
AS91006	L	Describe how a significant historical event affected New Zealand society	1		4			

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy****PATHWAYS / CAREER RELEVANCE:** History helps to develop the skills of research and communication useful for advertising, journalism, law, teaching, tourism, the media, diplomatic service, communications and medical school.

TIC: Ms Wilson

**ACCOUNTING (11ACC)****LEVEL:** NCEA Level 1 Achievement Standards: **17 credits****PREREQUISITES:** Two years secondary English.**LEARNING ACTIVITIES:** The major part of the course is business finance, which includes calculating profits, writing up financial statements, and recording and processing financial transactions.**COST / EQUIPMENT:** Students provide their own stationery. Specialised accounting paper will be required. Student workbooks and revision book about \$42.

11ACC			Eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS90976	L	Demonstrate understanding of accounting concepts for small entities	1		3			
AS90977*		Process financial transactions for a small entity	1	5				
AS90978*		Prepare financial statements for sole proprietors	1		5			
AS90979	L	Prepare financial information for a community organisation's annual general meeting	1	4				

**Notes:** \* prerequisite for Level 2 AccountingL - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy****PATHWAYS / CAREER RELEVANCE:** This course provides a foundation for further study in Accounting and prepares students to work as an Accountant, Auditor, Financial Advisor, Finance Manager, Policy Analyst, and Statistician. It also provides skills needed to record financial information if you were to run your own business.

TIC: Mrs Whalen

**ECONOMICS (11ECO)****LEVEL:** NCEA Level 1 Achievement Standards: **21 credits****PREREQUISITES:** Two years secondary English.**LEARNING ACTIVITIES:** Economics is about understanding how scarcity forces consumers, producers and government to make choices that affect the New Zealand society and the interdependence that exists between these sectors.**COST / EQUIPMENT:** Students provide their own stationery. Student workbook about \$52 which includes an e-Learn license fee for the year and a revision workbook. Field trips for AS90984 and AS90988.

11ECO			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS90983	L	Demonstrate understanding of consumer choices using 'demand'	1		4			
AS90984	L	Demonstrate understanding of decisions a producer makes about production	1	5				
AS90985	L	Demonstrate understanding of producer choices using supply	1		3			
AS90986	L	Demonstrate understanding of how consumer, producer and/or government choices affect society, using market equilibrium	1		5			
AS90987	L	Demonstrate understanding of a government choice where affected groups have different viewpoints	1	4				

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:**

This course provides a foundation for further study in Economics and prepares students to work as an Economist, Statistician, Policy Analyst, and Elected Government Representative. It is also a good one year course providing general educational skills for everyday living.

TIC: Mr Reddy

# STUDENT SERVICES FACULTY

# STS

**FACULTY LEADER: Mrs Kevany**

SPC	→	SPC	→	SPC	L1 U Std	→	SPC	L1/2 U Std	Customer Service s	L2/3 U Std	☒	Gateway s	L1-3 U Std
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## SPECIFIC PREPARATION for EMPLOYMENT & CITIZENSHIP (11SPC)

**LEVEL:** NCEA Level 1, Unit Standards: optional up to **15 credits**

**PREREQUISITES:** None

**LEARNING ACTIVITIES:** Students are required to complete 12 tasks and present an organised portfolio with evidence of tasks and Key Competency development for external verification. If attempted as a 2-3 year course this programme will lead to the New Zealand Certificate in Foundation Skills, Level 1 qualification.

**METHODS:** Self-directed Learning under the guidance of a tutor, with all records kept in the course book and portfolio. On completion all work will be verified externally.

**COST / EQUIPMENT:** N/A

11SPC			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US1293		Be interviewed in an informal one-to-one, face-to-face interview	1	2				
US3501		Demonstrate knowledge of and apply listening techniques	1	3				
US3503		Participate and communicate in a team or group to complete a routine task	1	2				
US10790		Converse with others	1	2				
US504		Produce a CV	1	2				
US1285		Make inquiries and complete practical transactions	1	4				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:**

Students gain improved social confidence, motivation and self-esteem in setting targets and achieving them. The SPEC courses target Key Competencies necessary for the workforce – i.e. Managing Self, Thinking, Relating to Others, Using Language Symbols and Texts, Participating and Contributing. The award gained will be valuable in any student's CV.

TIC: Mrs S. Singh

# TECHNOLOGY FACULTY

# TEC

**FACULTY LEADER: Mrs Townsend**

Yr9	Yr10	Yr11	Yr12	Yr13
Technology	Tech Mat Hard →	Tech Materials L1 →	Tech Materials L2 →	Technology (TEMETEL) L3/Schol
		Tech Eng Prac L1 U Std →	Tech Eng Practical L2 U Std ☒	
		Tech Electronics L1 →	Tech Electronics L2 U Std →	
			Automotive L2 U Std →	Automotive L3 U Std
			Carpentry L2 U Std →	Carpentry L3 U Std
			Design&VisCom L2 →	Design&VisCom L3/Schol
	Design&VisCom →	Design&VisCom L1 →		
	Tech Mash & Des →	Tech Mash & Des L1 →	Tech Mash & Des L2 →	Tech Mash & Des L3/Schol
			Tech Mash Apparel L2/3 U Std ☒	
	Food Tech →	Food & Nutrition L1 →	Food & Nutrition L2 →	Food & Nutrition L3 /Schol
			Child Care L2 U Std →	Child Care L3 U Std
		Hospitality Intro L1 U Std →	Hospitality L2 U Std →	Hospitality Barista L3 U Std
				Hospitality Catering
			PersonalComCare L2 U Std →	L3 /Schol
				PersonalComCare
Comp Apps →	Text Info Man →	Digital Technology L1 →	Digital Technology L2 + U Std →	Digital Tech(DTG). L3+UStd
Robotics →	Robotics →		Info Tech Web L2 U Std →	
Electronics →	Electronics →		Programming & Web L2 →	Programming & Web L3/Schol



## CABINETRY (11CAB)

**LEVEL:** NCEA Level 1 and 2 Unit Standards: **20 credits**

**PREREQUISITES:** Yr10 Technology Hard Materials preferred or HOD approval.

**LEARNING ACTIVITIES:** Students will learn how to use correct industry construction methods and will learn to use power and hand tools to gain an understanding of wood properties. Students will also complete a series of unit standards that link practical workmanship with elementary theory.  
Note: Students must achieve US 24352 within the specified time frame in Term One to continue with this course.

**COST / EQUIPMENT:** \$60 (Extra material costs may apply)

11CAB			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US25921		Make a cupboard as a Bacts project.	2	6				
US24355		Demonstrate knowledge of construction and manufacturing materials used in Bacts project	1	4				
US24352		Demonstrate knowledge of and apply safe working practices in the construction of a Bacts project.	1	2				
US24356		Apply elementary workshop procedures and processes for Bacts project.	1	8				

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** This course links to the Manufacturing and Technology Sector pathway and encompasses these sector related careers: Architectural Technician, Boat Builder, Cabinet Maker, Material Engineer, Machinery Operator, Lock Smith, Joiner, Furniture Maker, Picture Framer, Saw Doctor, Builder, Construction worker, and Trade careers. Y11 Cabinetry introduces students to foundation joinery and construction skills.

**TIC: Mr Newbrook**

## DESIGN AND VISUAL COMMUNICATION (11DVC)

**LEVEL:** NCEA Level 1 Achievement Standards: **19 credits**

**PREREQUISITES:** End of year Achievement grade of 3 (or higher) in Year 10 Graphics or Year 10 Art. Alternatively by HOD approval.

**LEARNING ACTIVITIES:** In this course students will focus on designing products and spaces and then communicating these designs in compelling ways. Students in 11DVC will develop skills in architectural and spatial design as well as Product and Technological design. Learning in DVC takes place in a project based learning environment where students learn by engaging in design projects. The core skills in DVC are freehand sketching, computer aided design and presentation of design ideas. Student will also learn to communicate effectively about their designs by using design language. Students will produce a presentation of their best work for the Technology Faculty Showcase.

**COST / EQUIPMENT:** \$25

11DVC			Eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91063		Produce freehand sketches to communicate design ideas	1		3			
AS91064	N	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas	1		3			
AS91067		Use the work of an influential designer to inform design ideas	1	3				
AS91068		Undertake development of design ideas through graphics practice	1	6				
AS91069		Promote an organised body of work to an audience using visual communication techniques	1	4				

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** A study of Design and Visual communication opens the way to a wide variety of careers and interests. The 11DVC course provides vocational pathways in Construction and Infrastructure, Manufacturing & Technology and Creative Industries. Careers in these industries include: Architect, Carpenter, Quantity Surveyor, Engineer, Artist, Media Designer and Advertising Manager among many others.

**TIC: Mr Tan**

## HOME ECONOMICS - FOOD & NUTRITION (11FAN)

**LEVEL:** NCEA Level 1 Achievement Standards: **19 credits**

**PREREQUISITES:** Year 10 Food Technology would be an advantage.

**LEARNING ACTIVITIES:** Practical food-related activities, research assignments, analysis of information in text books and other resource material on the main areas of study: food nutrients, health, meal planning, dietary requirements, food hygiene and safety, food and nutrition guidelines, management of resources, cultural foods, food labeling, analysis of own eating pattern.

**COST / EQUIPMENT:** \$50.  
\$25 for a Home Economics Level 1 Learning Workbook is recommended from school stationary shop

11FAN			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			

AS90956		Plan, prepare and serve food to meet the nutritional needs of a nominated individual	1	5	
AS90958	L	Describe how cultural practices influence eating patterns in New Zealand	1	5	
AS90959	L	Demonstrate knowledge of practices and strategies to address food handling issues	1	5	
AS90961	L	Describe how nutritional information and packaging can influence food choices and well-being	1		4

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This course links to the Social and Community Services Sector pathway and encompasses these sector related careers: dietician, nutritionist in various areas such as sports nutrition and private practice, early childhood education, public health, health promotion, catering and hospitality, food marketing, tourism, teaching, food companies, midwife, occupational therapist, physiotherapist, podiatrist and registered nurse. Level 1 food and Nutrition leads to UE.

TIC: Mrs Rushton

## HOSPITALITY – INTRODUCTION (11HOI)

**LEVEL:** NCEA Level 1  
Unit Standards: **19 credits**

**PREREQUISITES:** Foods at Year 10 is an advantage.

**LEARNING ACTIVITIES:** Hygiene and safe food practices, preparing fruit and vegetables, meat cookery, learning to cook with cakes and sponges in the Hospitality Industry. Also learning how to use, store and carry knives safely as well as learning about workplace health and safety.

**COST / EQUIPMENT:** \$70 to cover food costs  
Students need a large hard back book. Uniform for practical lesson must include covered shoes, hair net, no facial piercings and no false fingernails are allowed.

11HOI			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US15900		Prepare and present meat in the hospitality Industry	1	4				
US15901		Prepare and present fruit and vegetables in the hospitality Industry	1	3				
US15921		Prepare and cook a cake, a sponge and a batch of scones in the Hospitality Industry.	1	3				
US19770		Prepare and present hot finger food in the Hospitality Industry.	1	2				
US21058		Prepare and present sauce and soup in the hospitality industry	1	2				
US21059		Demonstrate knowledge of knife care, storage, and carrying.	1	2				
US497		Demonstrate knowledge of workplace health and safety requirements	1	3				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This is the first step towards the New Zealand Certificate in Hospitality and will lead to a qualification in cookery at tertiary level. It contributes towards the Vocational Pathways Service Sector credits.

Leads to careers in the Hospitality industry, Air hostess, Tourism, Hotel management/ work, Café work, Restaurant work.

TIC: Mr Davis

## TECHNOLOGY – ENGINEERING PRACTICAL (11TEP)

**LEVEL:** NCEA Level 1 Unit Standards: **25 credits**

**PREREQUISITES:** Yr10 Technology Hard Materials preferred or HOD approval.

**LEARNING ACTIVITIES:** This course is designed to give students practical engineering skills. Units cover machining, welding and assembly. Note: Students must achieve US 497 within the specified time frame in Term One to continue with this course.

**COST / EQUIPMENT:** \$60

11TEP			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US22923		Demonstrate basic engineering workshop skills under close supervision.	1	12				
US22924		Develop a simple product using engineering materials.	1	10				
US497		Demonstrate knowledge of workplace health and safety requirements.	1	3				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology, and Construction and Infrastructure Sector pathway. These pathways encompass careers in Steel fabrication, Welding, Apprenticeship, Engineer, Construction, Fitter/Turners, Machinist, Roofer, Steel workers, Building, Aluminium Fabricators, Fencing, and many more. Students build the foundation skills need for all trade career paths.

TIC: Mr Newbrook

## TECHNOLOGY MATERIALS HARD (11TMH)

**LEVEL:** NCEA Level 1 Achievement Standards: **19 credits**  
Unit Standards: **3 credits**

**PREREQUISITES:** End of year Achievement grade of 3 (or higher) in Year 10 Technology and or English, Science or alternatively by HOD approval.

**LEARNING ACTIVITIES:** Students will design a solution within a given context using the design process. They will also create a product using hard materials. Students will learn how to use machinery and hand tools and learn assemble techniques that reflect industry codes of practice. Note: Students must achieve US 497 within the specified time frame in Term One to continue with this course.

**COST / EQUIPMENT:** \$60 (extra cost may apply depending on materials used).

11TMH			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US497		Demonstrate knowledge of workplace health and safety requirements	1	3				
AS91046		Produce a conceptual design to meet a brief	1	6				
AS91048	L	Demonstrate understandings of how technological modeling supports decision making	1		4			
AS91057		Implement basic procedures using resistant materials to make a specified product	1	6				
AS91064	N	Produce instrumental, multi-view orthographic drawings that communicate technical features	1		3			

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology sector and the Creative Industries sector and encompasses these sector related careers: Graphic Designer, Construction worker, Civil Engineer, Carpenter, Project Manager, Environmental Engineer, and Furniture Designer.

TIC: Mr Newbrook

## TECHNOLOGY ELECTRONICS (11TEL)

**LEVEL:** NCEA Level 1 Achievement Standards: **19 credits**  
Unit Standards: **3 credits**

**PREREQUISITES:** End of year Achievement grade of 3 (or higher) in Year 10 Technology and or English, Science or alternatively by HOD approval.

**LEARNING ACTIVITIES:** This course introduces electronic concepts, components and micro-processor interfacing. Students will learn how to use machinery, hand tools and assemble techniques that reflect industry codes of practice. Students will design a solution within a given context and then create their design.

Note: Students must achieve US 497 within the specified time frame in Term One to continue with this course.

**COST / EQUIPMENT:** \$60 (extra cost may apply depending on materials used).

11TEL			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US497		Demonstrate knowledge of workplace health and safety requirements	1	3				
AS91047		Undertake development to make a prototype to address a brief	1	6				
AS91049	L	Demonstrate understanding of how materials enable technological products to function	1		4			
AS91077		Demonstrate understanding of basic concepts used in the design and construction of electronic environments	1	3				
AS91078		Implement basic interfacing procedures in a specified electronic environment	1	3				
AS91079		Implement basic techniques in constructing a specified electronic and embedded system	1	3				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology sector and the Creative Industries sector and encompasses these sector related careers: Electronics Engineer, Electrician, Mechanical Engineering Technician, Electronics Trades, Production Manager, Technical Writer, Sound Technician.

Study for a Degree in Electronics Engineering, Technology, Robotics or Mechatronics.

TIC: Mr Newbrook

## Technology – Fashion and Design (11TFD)

**LEVEL:** NCEA Level 1 Achievement Standards: **25 credits**

**PREREQUISITES:** Year 9 & 10 Soft Materials would be an advantage

**LEARNING ACTIVITIES:** This course contains two main units of work and an external workshop and report. Students will learn to analyse the work of influential designers and embed the key design principles into their own garment design. They learn to draft made to measure patterns for a lower half garment and construction techniques that enable them to complete their final design to a quality finish. The second unit develops students' skills in working with a client to design, test and construct a marketable educational toy for a pre-schooler. Students are given the opportunity to attend a trip to a tertiary provider to experience the environment and learn to operate specialised textile machines.

**COST / EQUIPMENT:** \$60

11TFD			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91067		Use the work of an influential designer to inform design ideas	1	3				
AS91047		Undertake development to make a prototype to address a brief	1	6				
AS91046		Use design ideas to produce a conceptual design for an outcome to address a brief	1	6				



# LEVEL 2 & 3 COURSES 2017

## **Year 12 – National Certificate of Educational Achievement**

- All students must take a programme of six courses.
- All students must do 4 consecutive years of English or have a minimum of Level 2 English.
- A well-balanced course programme is required.
- Achievement Standards and Unit Standards can provide credits for Tertiary entrance or qualifications – see the University Entrance requirements on pages 5 and 6.
- Candidates with appropriate Level 2 results may do Level 3 courses.
- Students aiming at doing a degree course at a tertiary institution should take great care that their selected courses are also available as a Level 3 course in Year 13. It is a good idea to choose Year 13 courses first then work backwards to the Year 12 choices that will support these. Five courses at Level 3 are needed.

## **Year 13 – National Certificate of Educational Achievement**

- Most students are encouraged to return for a fifth year of education. The Level 3 standards provide a stimulating academic challenge with scholarship exams also being offered. The results of Level 3 standards will be used to qualify for entry to University and to 'limited entry' courses. There are opportunities to mature personally as well as developing leadership skills.
- All Year 13 students take FIVE courses. A sixth may be taken with approval of the Dean.
- If students are aiming for a degree course at a tertiary institution they are best to do a full Level 3 programme of five courses. The requirements for entry to University and for limited entry courses on page 6 should be checked.
- A fully shaded circle, ●, is used to indicate that the course offers 14 (or more) credits and is included in the approved subject list for University Entrance (see page 6).
- Most Year 13 students study for Level 3 in order to gain entry to University courses. **However, a full (5 course) Level 3 programme is not appropriate for anyone who has not gained a Level 2 certificate.** Permission from the Dean and relevant Heads of Department will only be given in exceptional circumstances for those students to do a full Level 3 course.
- Students need to check the requirements of future courses to ensure an appropriate Year 13 programme is selected.
- No more than TWO **Arts** related courses can be taken.
- No more than TWO **Physical Education** related courses can be taken.
- Candidates with appropriate qualifications may do a university paper. Provisional enrolment for these is usually required before the end of November of the previous year (see your Dean or Ms Knell).

# LEVEL 2 and 3 COURSES

## ARTS FACULTY

## ART

FACULTY LEADER: Ms Ankersmit

<b>Arts</b>							
Drama	→	Drama	→	Drama	L1	→	Drama L2
Drama & Dance	→	Drama & Dance	→	Drama Dance	L2	→	Drama Dance L2/3
Music	→	Music	→	Music	L1	→	Music L2
				Music Applied	L1/2/3	→	Music Applied L1/2/3
Visual Arts	→	Visual Arts	→	VisArts Paint&Print	L1	→	Vis Arts Paint L2
Pacific Arts	→		→	Vis Arts Dig Media	L1	→	Vis Arts Design L2 Vis Arts Photo L2 Vis Arts VisCulture L3

### VISUAL ARTS - DESIGN (12ARD)

**LEVEL:** NCEA Level 2 Achievement Standards: **20 credits**

**PREREQUISITES:** 12 credits Level 1 Visual Arts, Level 1 Digital Media, Graphics (Design and Visual Communication) or permission from HOD Visual Arts. Some ability in freehand drawing is required.  
**Exclusions:** a maximum of TWO Visual Arts courses may be taken.

**LEARNING ACTIVITIES:** Design related research, e-learning, drawing, scanning, illustration, designing, digital photography, digital painting, Photoshop and Illustrator, folio presentation, exhibition of artwork.

**COST / EQUIPMENT:** Materials approximately \$80.00. Students may need to purchase specialist printing paper and additional printing credit during the year, up to \$40.00. A 4Gb pen-drive is also required. Photoshop will be advantageous.

12ARD			eligible for Course Endorsement				CREDITS		
Standard	L/N	Title	Level	Int	Ext				
AS91310		Use drawing methods to apply knowledge of conventions appropriate to design	2	4					
AS91315		Develop ideas in a related series of drawings appropriate to established design	2	4					
AS91320		Produce a systematic body of work that shows understanding of art making conventions and ideas within design	2		12				
AS91325		Produce resolved work that demonstrates control of skills appropriate to cultural conventions	2	4					
<b>Notes:</b> L - contributes to 10 credits L1 Literacy			12ARD Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
N - contributes to 10 credits L1 Numeracy			<b>Sector related credits</b>						<b>24</b>
			<b>Recommended credits</b>				<b>4</b>		

**PATHWAYS / CAREER RELEVANCE:** This course leads to Level 3 Visual Arts Design / Photography and tertiary study for a wide range of careers: graphic design, product design, display design, interior design, concept art, game design, spatial design, architecture, packaging, magazine and book design, animation, illustration, computer graphics, fashion design, textile design, photography, creative industries, and education.

TIC: Mr Hambridge

### ● VISUAL ARTS - DESIGN (13ARD) ●

**LEVEL:** NCEA Level 3 Achievement Standards: **22 credits**

**PREREQUISITES:** 12 credits NCEA Level 2 Design, Visual Arts, Photography, Graphics (Design and Visual Communication), Fashion Design or permission from HOD Visual Arts.  
**Exclusions:** a maximum of TWO Visual Arts courses may be taken

**LEARNING ACTIVITIES:** Design related research, e-learning, drawing, scanning, illustration, designing, digital photography, digital painting, computer graphics, Adobe CS5 Photoshop and Illustrator, collage, mixed media, construction, typography, moving image, folio presentation, scholarship research, exhibition of artwork.

**COST / EQUIPMENT:** Materials approximately \$100.00. Students may need to purchase specialist printing paper and additional printing credit during the year, up to \$50.00. A 8Gb pen-drive is also required. Photoshop will be advantageous.

● 13ARD			eligible for Course Endorsement				CREDITS	
Standard	L/N	Title	Level	Int	Ext			
AS91445		Use drawing to demonstrate understanding of conventions appropriate to design.	3	4				
AS91450		Systematically clarify ideas using drawing informed by established design practice	3	4				
AS91455		Produce a systematic body of work that integrates conventions and regenerates ideas within design.	3		14			
AS91440	L	Analyse methods and ideas from established design practice (optional)	3	4				

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** This course leads to Level 3 Design and tertiary study for a very wide range of careers: graphic design, product design, concept art, interior design, spatial design, architecture, magazine and book design, animation, illustration, computer graphics, fashion design, textile design, photography, creative industries and education.

TIC: Mr Hambridge



## VISUAL ARTS – PAINTING (12ARP)

**LEVEL:** NCEA Level 2 Achievement Standards: **20 credits**

**PREREQUISITES:** 12 credits Level 1 Visual Arts or permission from HOD Visual Arts.  
**Exclusions:** a maximum of TWO Visual Arts courses may be taken

**LEARNING ACTIVITIES:** Research; e-learning; drawing; designing; illustration; painting; digital media; workbook; gallery and/or museum trips, folio presentation, exhibition of artwork

**COST / EQUIPMENT:** \$60, plus supplementary materials up to \$20.00 throughout the year.

12ARP			eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext	
AS91311		Use drawing methods to apply knowledge of conventions appropriate to painting.	2	4		
AS91316		Develop ideas in a related series of drawings appropriate to established painting practice	2	4		
AS91321		Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	2			12

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
 N - contributes to 10 credits L1 **Numeracy**

12ARP Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
Sector related credits						20
Recommended credits						

**PATHWAYS / CAREER RELEVANCE:** This course leads to Level 3 Painting / Photography and tertiary study for a wide range of careers: graphic design, product design, display design, interior design, concept art, game design, spatial design, architecture, packaging, magazine and book design, animation, illustration, computer graphics, fashion design, textile design, photography, creative industries, and education.

**TIC: Ms van Heeswijk**

## ● VISUAL ARTS – PAINTING/PRINTMAKING (13ARP) ●

**LEVEL:** NCEA Level 3 Achievement Standards: **22 credits**

**PREREQUISITES:** Achievement in NCEA Level 2 Visual Arts or permission from the HOD Visual Arts.  
**Exclusions:** a maximum of TWO Visual Arts courses may be taken.

**LEARNING ACTIVITIES:** Research; e-learning; drawing; designing; illustration; painting; digital media; workbook; gallery and/or museum trips, folio presentation, exhibition of artwork

**COST / EQUIPMENT:** \$70, plus supplementary materials up to \$30.00 throughout the year.

● 13ARP			eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext	
AS91446		Use drawing to demonstrate understanding of conventions appropriate to painting	3	4		
AS91451		Systematically clarify ideas using drawing informed by established painting practice	3	4		
AS91457		Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	3			14

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** This course leads to tertiary study for a range of careers in visual arts, design, architecture, creative industries, museum and gallery curating, and education.

**TIC: Ms Ankersmit, Ms van Heeswijk**

## VISUAL ARTS – PHOTOGRAPHY (12PHO)

**LEVEL:** NCEA Level 2 Achievement Standards: **20 credits**

**PREREQUISITES:** No prior study required.  
**Exclusions:** a maximum of TWO Visual Arts courses may be taken.

**LEARNING ACTIVITIES:** Research, image analysis, visual literacy, camera techniques, lighting techniques, digital darkroom skills, journal documentation, folio presentation, gallery visits, exhibition of photography

**COST / EQUIPMENT:** Materials starter pack including A3 photographic inkjet paper, costs \$120. During the course students will also be required to spend up to \$80 on inkjet printing. They require a digital SLR camera with manual override (the department has several cameras available for hire), 8 Gb USB pen-drive, and digital camera memory card. A tripod will be useful.

12PHO			eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext	
AS91312		Use drawing methods to apply knowledge of conventions appropriate to photography	2	4		
AS91317		Develop ideas in a related series of drawings appropriate to established photography	2	4		
AS91322		Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	2			12

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
 N - contributes to 10 credits L1 **Numeracy**

12PHO Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
Sector related credits						20
Recommended credits						

**PATHWAYS / CAREER RELEVANCE:** This course leads to Level 3 Photography, tertiary study and careers in photography (eg. commercial, forensic, industrial, medical, fashion, documentary, visual arts photography) and allied fields such as visual arts, design, screen printing, publishing, photo journalism, photo finishing, museum and gallery curating, and education.

**TIC: Ms Ankersmit**

## ●VISUAL ARTS – PHOTOGRAPHY

(13PHO)●

- LEVEL:** NCEA Level 3 Achievement Standards: **22 Credits**
- PREREQUISITES:** 12 credits Level 2 Photography or permission from HOD Visual Arts  
**Exclusions:** a maximum of TWO Visual Arts courses may be taken
- LEARNING ACTIVITIES:** Research, image analysis, visual literacy, camera techniques, lighting techniques, digital darkroom skills, journal documentation, folio presentation, gallery visits, exhibition of photography
- COST / EQUIPMENT:** Materials starter pack including A3 photographic inkjet paper, costs \$120. During the course students will also be required to spend up to \$80 on inkjet printing. They require a digital SLR camera with manual override (the department has several cameras available for hire), 8 Gb USB pen-drive, and digital camera memory card. A tripod will be useful.

●13PHO

eligible for Course Endorsement

CREDITS

Standard	R/W	Title	Level	Int	Ext
AS91447		Use drawing to demonstrate understanding of conventions appropriate to photography	3	4	
AS91452		Systematically clarify ideas using drawing informed by established photography	3	4	
AS91457		Produce a systematic body of work that integrates conventions and regenerates ideas within photography	3		14
AS93310		Scholarship photography			

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS / CAREER RELEVANCE:** This course leads to tertiary study and careers in photography (eg. commercial, forensic, industrial, medical, fashion, documentary, visual arts photography) and allied fields such as screen printing, publishing, photo journalism, photo finishing, visual arts, design, museum and gallery curating, and education.

TIC: Ms Ankersmit

## ●VISUAL ARTS – VISUAL CULTURE

(13AVC)●

- LEVEL:** NCEA Level 3 Achievement Standards: **20 credits**
- PREREQUISITES:** Level 2 Literacy or permission from HOD Visual Arts.
- LEARNING ACTIVITIES:** Research, creative and critical thinking, image reading, catalogue and essay writing, visual mapping, visits to galleries and museums.
- COST / EQUIPMENT:** \$30 to cover the cost of workbooks for each topic.

●13AVC

eligible for Course Endorsement

CREDITS

Standard	R/W	Title	Level	Int	Ext
AS91482	R/W	Demonstrate understanding of style in art works	3		4
AS91484	R/W	Examine the relationship(s) between art and context	3		4
AS91485	R	Examine the impact of media and processes on art works	3	4	
AS91487	R	Examine the different values placed on art works	3	4	
AS91488	R	Examine the relationship(s) between a theory and art works	3	4	

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS / CAREER RELEVANCE:** This course leads to tertiary education in art history, art theory, media studies, critical studies, visual culture studies, sociology, and visual arts practices; and careers in visual arts research, digital media, art critique, sociology, museum and gallery curating, and education.

TIC: Ms Ankersmit

## DRAMA

(12DRA)

- LEVEL:** NCEA Level 2 Achievement Standards: **18 - 22 credits**
- PREREQUISITES:** This is an open entry course but it is preferable to have had some experience at the junior level or have been involved in some form of live performance. Students will need to be able to perform in front of an audience. As there is a significant amount of group work involved in this course a good attendance record is essential as a pre-requisite for entry.
- LEARNING ACTIVITIES:** Practical work in performance skills of movement, body and voice, script and text analysis, interpretation and character development. Aspects of theatre history and performance theory are studied as well as devising original works for theatre.
- COST / EQUIPMENT:** \$10 for course workbooks plus the cost associated with attending two live theatre performances.

12DRA

eligible for Course Endorsement

CREDITS

Standard	R/W	Title	Level	Int	Ext
AS91213	R	Apply drama techniques in a scripted context ( optional )	2	4	
AS91214		Devise and perform a drama to realize an intention.	2	5	
AS91216	R	Use complex performance skills associated with a drama or theatre form or period	2	4	
AS91218	R	Perform a substantial acting role in a scripted production	2	5	
AS91219	W	Discuss drama elements, techniques, conventions and technologies within live performance	2		4

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** /  
W - contributes to 5 L2 **Writing** credits for **UE**

12DRA Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
<b>Sector related credits</b>						<b>22</b>
<b>Recommended credits</b>				<b>5</b>		

**PATHWAYS / CAREER RELEVANCE:**

Development of performance ability is relevant to situations that require presentation skills. The ability to communicate clear intentions to an audience is desirable in a number of professions. Self-discipline, focus, confidence and good group cooperative skills are personal attributes valued by employers and tertiary study providers. Learning in Drama supports and compliments learning in; Languages, Visual Arts, Social Sciences, Health and Physical Education, Technology and Media Studies. Careers associated with the skills developed through creating theatre and performance work include; television and radio broadcasting, script writing, directing, film making, teaching, law, event management, journalism, film and theatre acting, dance and fitness trainer, community and social work.

TIC: Ms Allpress

**● DRAMA (13DRA) ●**

**LEVEL:** NCEA Level 3 Achievement Standards: **18 credits**  
**PREREQUISITES:** NCEA Level one is preferable. However, some experience in performance through the school production or related community theatre involvement would count towards entry requirements. Students may seek entry permission from the HOD if they are keen but in doubt about their former experience level. Students will need to be able to perform in front of an audience. As there is a significant amount of group work involved in this course, a good attendance record is essential as a prerequisite for entry.

**LEARNING ACTIVITIES:** Practical work in an extended range of theatre skills, voice, movement, character development, script writing and group and paired performance. Script and character analysis, theatre theory study and performance development.

**COST / EQUIPMENT:** \$10 for workbooks

● 13DRA			eligible for Course Endorsement		CREDITS
Standard	R/W	Title	Level	Int	Ext
AS91512	R	Interpret scripted text to integrate drama techniques in performance	3	4	
AS91513		Devise and perform a drama to realize a concept	3	5	
AS91514		Interpret a text from a prescribed playwright to demonstrate knowledge of a theatre form or period (optional)	3		4
AS91517	R	Perform a substantial acting role in a significant production	3	5	
AS91518	W	Demonstrate understanding of live drama performance.	3		4

Notes: R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS / CAREER RELEVANCE:**

Development of performance ability is relevant to situations that require presentation skills. The ability to communicate clear intentions to an audience is desirable in a number of professions. Self-discipline, focus, confidence and good group Practical work in an extended range of theatre skills, voice, movement, character development, script writing and group and paired performance. Script and character analysis, theatre theory study and performance development. Learning in Drama supports and compliments learning in; Languages, Visual Arts, Social Sciences, Health and Physical Education, Technology and Media Studies. Cooperative skills are personal attributes valued by employers and tertiary study providers. Careers associated with the skills developed through creating theatre and performance work include; television and radio broadcasting, script writing, directing, film making, teaching, law, event management, journalism, film and theatre acting, dance and fitness trainer, community and social work.

TIC: Miss Nicholson

**DANCE (12/13DAN)**

**LEVEL:** NCEA Level 2 and 3 Achievement Standards: **credits 18-26**

**PREREQUISITES:** Previous experience and learning from 10DAN – NCEA L1, 12DAN – NCEA L2, school production or cultural dance will be an advantage. Prior training in any dance genre will be useful. A good track record of attendance is **essential** due to the collaborative nature of much of the work undertaken.

**LEARNING ACTIVITIES:** This is a largely practical course with the focus on developing choreography and performance skills. Choreographic processes will be explored as will the movement vocabulary and conventions associated with a range of dance genre.

Attendance at one or more live professional dance performance will support analysis of dance works. A specific dance work will be studied and examined in the external exam. There will be opportunity for students to gain extra course credits through involvement as dancers and or choreographers in the school production and Lynfield cultural festival. Where possible and appropriate, learning from different achievement standards will be integrated in a single learning context. This may include performance and choreography undertaken through extra curricula involvement.

**COST / EQUIPMENT:** \$10 for course workbooks plus the cost associated with attending one or two professional live dance performances.

12DAN			eligible for Course Endorsement		CREDITS
Standard	L/N	Title	Level	Int	Ext
AS91205		Choreograph a group dance to communicate an intention	2	4	
AS91206		Choreograph a solo dance to communicate an intention	2	4	
AS91209		Perform a repertoire of dance	2	6	
AS91211	L	Provide an interpretation of a dance with supporting evidence	2		4

AS91589		Choreograph a dance to develop and resolve ideas	3	4	
AS91590		Perform a solo or duet dance	3	4	
AS91592		Perform a repertoire of contrasting dances	3	6	
AS91594	L	Analyse a dance performance	3		4
AS91207		Perform an ethnic or social dance to communicate understanding of the style (optional)	2	4	
AS91208		Perform a theatre dance to communicate understanding of the style (optional)	2	4	

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12DAN Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>						<b>26</b>
<b>Recommended credits</b>						

**PATHWAYS / CAREER RELEVANCE:** Careers associated with the skills developed through creating and performing dance works include; community and social work, directing, film making, film and stage performance, dance and fitness trainer, teaching.  
Development of performance ability is relevant to situations that require presentation skills.  
The ability to communicate clear intentions to an audience is desirable in a number of professions.  
Self- discipline, focus, confidence and good group cooperative skills are personal attributes valued by employers and tertiary study providers.

**TIC: TBC**

## MUSIC (12MUS)

**LEVEL:** NCEA Level 2 Achievement Standards: **20 - 26 credits** from those listed  
**PREREQUISITES:** At least Achieved in NCEA Level 1 Music 1.1 (Solo performance) or permission from the HOD Music. Students must be having tuition on an instrument for performance assessments.  
**LEARNING ACTIVITIES:** Performance, Composition, Theory Knowledge, Ensemble Awareness and Music Technology.  
**COST / EQUIPMENT:** Must own or hire an instrument for home practice. Students **MUST** be learning their instrument, either through the itinerant system at school, or privately. Students not attending lessons will not be able to take this course.  
Materials costs \$20 (plus itinerant music lessons and/or instrument hire cost if applicable).

12MUS			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91270		Perform two substantial pieces of music as a featured soloist	2	6				
AS91272		Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	2	4				
AS91271		Compose two substantial pieces of music	2	6				
AS91273		Devise an instrumentation	2	2				
AS91276		Demonstrate knowledge of conventions in a range of scores	2	4				
AS91274		Perform a substantial piece of music on a second instrument (optional)	2	4				

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12MUS Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>						<b>24</b>
<b>Recommended credits</b>						

**PATHWAYS / CAREER RELEVANCE:** Composer, arranger, performer, instrumental teacher, school teacher, sound engineer.

**TIC: Mrs Norman**

## ● MUSIC (13MUS) ●

**LEVEL:** NCEA Level 3 Achievement Standards: up to **30 credits** from the standards listed.  
**PREREQUISITES:** Year 11 and/or Year 12 Music or permission from the HOD Music. Must be a competent performer and be undergoing tuition on an instrument.  
**Exclusions:** students in this course cannot take 12MUP or 13MUP  
**LEARNING ACTIVITIES:** Solo and group performance, Composition, Arranging, Theory Knowledge, Music Technology,  
**COST / EQUIPMENT:** Must own or hire an instrument for home practice. Students **MUST** be learning their instrument, either through the itinerant system at school, or privately. Students not attending lessons will not be able to take this course.  
Itinerant music lessons and/or instrument hire cost if applicable.

13MUS			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91416		Perform two programs of music as a featured soloist	3	8				
AS91417		Perform a program of music as a featured soloist on a second instrument (optional)	3	4				
AS91418		Demonstrate ensemble skills by performing two substantial pieces as a member of a group	3	4				
AS91419		Communicate musical intention by composing three original pieces of music	3	8				
AS91421		Demonstrate understanding of harmonic and tonal conventions in a range of music scores (optional)	3		4			
AS91424		Create two arrangements for an ensemble		4				

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS / CAREER RELEVANCE:** Composer, arranger, performer, instrumental teacher, school teacher, audio engineer, song writer

## ● MUSIC APPLIED

## (12/13MUP)●

**LEVEL:** NCEA Level 2 and/or 3  
Achievement Standards: **20 - 24** credits from those listed

**PREREQUISITES:** At least basic skills on an instrument. Students must be having tuition on an instrument for performance assessments.  
**Exclusions:** students in this course cannot take 12MUS or 13MUS

**LEARNING ACTIVITIES:** Solo and group performance, Composition, Arranging, Recording and Music Technology

**COST / EQUIPMENT:** Must own or hire an instrument for home practice. Students **MUST** be learning their instrument, either through the itinerant system at school, or privately. Students not attending lessons will not be able to take this course.  
Itinerant music lessons and/or instrument hire cost if applicable.

### ● 12/13MUP

not eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91270		Perform two substantial pieces of music as a featured soloist	2	6	
AS91271		Compose two substantial pieces of music	2	6	
AS91272		Demonstrate ensemble skills by performing a substantial piece of music as a member Of a group	2	4	
AS91273		Devise an instrumentation	2	4	
AS91274		Perform a substantial piece of music as a featured soloist on a second instrument (optional)	2	4	
AS91278		Investigate an aspect of New Zealand music.	2	4	
US27656		Demonstrate and apply knowledge of electronic music production and notation	2	4	
AS91416◆		Demonstrate two programmes of music as a featured soloist	3	8	
AS91417◆		Perform a program of music as a featured soloist on a second instrument (optional)	3	4	
AS91418◆		Demonstrate ensemble skills by performing two substantial pieces as a member of a group	3	4	
AS91419◆		Communicate musical intention by composing three original pieces of music	3	8	
AS91424◆		Create two arrangements for an ensemble	3	4	

**Notes:** ◆ indicate standards that count towards UE  
L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12MUP Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
Sector related credits						23
Recommended credits						4

**PATHWAYS / CAREER RELEVANCE:** Composer, arranger, performer, instrumental teacher, school teacher, audio engineer, song writer

TIC: Mrs Norman

## HEALTH & PHYSICAL EDUCATION FACULTY PHE

**FACULTY LEADER: Mrs Wells**

Physical Ed & Health	→	Physical Ed & Health	→	Physical Ed Advancing L1	→	Physical Ed L2	→	Physical Ed L3
				Physical Ed & Health L1	→	Sports Studies L2+U Std	→	Sports Studies L3+U Std
				Physical Ed & Health L1	→	Health Studies L2	→	Health Studies L3
				Physical Ed Advancing L1	→	Outdoor Education L2	→	Physical Ed L3
						Phys Ed Advance L2	→	Physical Ed L3

## HEALTH

## (12HTH)

**LEVEL:** NCEA Level 2 Achievement standards: **22 credits**

**PREREQUISITES:** 14 credits in Level 1 Health or English achievement standards

**LEARNING ACTIVITIES:** Co-operative activities, research assignments, discussion groups, learning journals.  
Adolescent health issues, health promotion, personal safety in interaction with others, issues associated with gender and sexuality.

**COST / EQUIPMENT:** Students are required to provide their own stationery.

### 12HTH

eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91236	L	Evaluate factors that influence people's ability to manage change	2	5	
AS91237	L	<b>Take action to enhance an aspect of people's well-being within the school or wider Community</b>	2	5	
AS91238	L	Analyse interpersonal issues which place personal safety at risk.	2		4
AS91239	L	Evaluate issues related to sexuality and gender	2	5	
US9677		Participate in a team or group which has an objective	2	3	

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12HTH Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
Sector related credits				3	22	
Recommended credits			17	14		3

**PATHWAYS / CAREER RELEVANCE:** Health develops interpersonal skills and personal and social responsibility for any career. It can directly lead on to a wide range of careers including Medicine, Nursing, Politics, Public Health,



**HEALTH (13HTH)**

**LEVEL:** NCEA Level 3 Achievement Standards: **19 credits**  
**PREREQUISITES:** 14 credits in Level 2 Health, English or Classics achievement standards.  
**LEARNING ACTIVITIES:** Work at Level 3 focuses on applying the concepts of hauora, health promotion, social justice and mental health to specific health and social issues. Activities will include individual and group research, group discussion, gathering data, case studies, assignments, and learning journals.  
**COST / EQUIPMENT:** Students are required to provide their own stationery.

13HTH			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91461	R	Analyse a health issue for a particular group within New Zealand society	3	5				
AS91462	R	Explain a range of health practices currently used in New Zealand	3	5				
AS91464	R	<b>Explain a contemporary dilemma or ethical issue in relation to well-being</b>	3	4				
AS91465	R/W	<b>Evaluate models for health promotion</b>	3		5			

**Notes:** R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** Health develops interpersonal skills and personal and social responsibility for any career. It can directly lead on to a wide range of careers including Medicine, Nursing, Politics, Public Health, Community Health Work, Social Work, Psychology, Sociology, Alcohol & Drug Counseling, Health Promotion, Sport & Exercise Science, Physiotherapy, Occupational Therapy.

**PHYSICAL EDUCATION (12PHE)**

**LEVEL:** NCEA Level 2 Achievement Standards: **14 credits** (12PHE option) **20 credits** (12PEA option).  
**PREREQUISITES:** 12PHE: 14 credits from any Level 1 Health and PE course  
 12PEA: 14 credits at Merit or Excellence from any Level 1 Health and PE course  
**LEARNING ACTIVITIES:** Level 2 PE is an academic course with an emphasis on applying practical and theoretical knowledge. Students in this course will examine: Anatomy, Physical Fitness, Exercise Physiology, Outdoor Education, Motor Skill Learning, Leadership, Issues in Sport, Skill Teaching, Training Principles and ABL  
**COST / EQUIPMENT:** 12PHE and 12PEA Camp and activity costs - \$200 approximately

12PHE			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91329	L	Demonstrate understanding of the application of biophysical principles to training for physical activity	2	4				
AS91330	L	Perform a physical activity in an applied setting	2	4				
AS91333	L	Analyse the application of risk management strategies to a challenging outdoor activity	2	3				
AS91336	L	Analyse group processes in physical activity	2	3				

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

12PHEW Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
Sector related credits				14	6	14
Recommended credits				14	6	14

12PEA			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91328	L	Demonstrate understanding of how and why biophysical principles relate to learning of physical skills	2	5				
AS91329	L	Demonstrate understanding of the application of biophysical principles to training for physical activity	2	4				
AS91330	L	Perform a physical activity in an applied setting	2	4				
AS91331	L	Examine the significance for self, others and society of a sporting event, a physical activity or festival	2	4				
AS91333	L	Analyse the application of risk management strategies to a challenging outdoor activity	2	3				

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

12PHEW Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
Sector related credits				20	7	20
Recommended credits				20	7	20

**PATHWAYS/CAREER RELEVANCE:** Physiotherapy, Physical Education Teaching, Sports, Sport Management, Coaching or Personal Adventure Tourism, Outdoor Education, Recreation and Health related careers. Fitness Industry, Training.

## ● PHYSICAL EDUCATION

(13PHE)●

**LEVEL:** NCEA Level 3 Achievement Standards: **18 credits**

**PREREQUISITES:** 14 credits at Level 2 PE or English.

**LEARNING ACTIVITIES:** Practical Badminton, running and Football skills, biomechanical analysis, critical analysis of various issues, risk management in the outdoors, evaluations of training programmes.

**COST / EQUIPMENT:** Camp costs approximately \$400

### ● 13PHE

eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91499	L	Analyse a physical skill performed by self or others	3	3	
AS91500	L/N	Evaluate the effectiveness of a performance improvement programme	3	4	
AS91501	N	Demonstrate quality performance of a physical activity in an applied setting	3	4	
AS91502	L	Examine a current physical activity event, trend or issue impacting on New Zealand society	3	4	
AS91504	L	Analyse issues in safety management for outdoor activity to devise safety management strategies	3	3	

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** P.E teaching, Sports medicine, Medicine, Physiotherapy, Recreation and Health related careers, Outdoor Education.

TIC: Mr Christie

## SPORTS STUDIES

(12SPS)

**LEVEL:** NCEA Level 2 Achievement Standards: **7 Credits** Unit Standards: **15 Credits**

**PREREQUISITES:**

- Level 1 PE Achievement Standard 1.1 (AS90962)
- Must be currently participating in a sports team

If none of these apply then permission may be granted after an interview with the HOF

**LEARNING ACTIVITIES:** Basic first aid, implementing and running an event, demonstrating social responsibility in physical activities, planning and preparing to perform in an event, basic understanding of anatomy

**COST / EQUIPMENT:** \$55 course fees and trip costs

### 12SPS

not eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91334		Consistently demonstrate social responsibility through applying a social responsibility model in physical education	2	3	
AS91330		Perform a physical activity in an applied setting	2	4	
US21414		Plan and run a recreation activity	3	4	
US21649		Apply knowledge of basic anatomy to the performance of sport skills	2	3	
US22770		Demonstrate knowledge of sports coaching, the coaching environment and the sports participant's needs	2	4	
US6400		Manage first aid in an emergency situation	3	2	
US6401		Provide first aid	2	1	
US6402		Provide resuscitation	2	1	

**Notes:** L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12SPS Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>				4		
<b>Recommended credits</b>				10	3	7

**PATHWAYS / CAREER RELEVANCE:** Health, Sport and Recreation Careers, Coaching Fitness Industry, Teaching and Officiating

TIC: Mr Angus

## SPORTS STUDIES

(13SPS)

**LEVEL:** NCEA Level 3 Achievement Standards: **4 credits** Unit Standards: **22 credits**

**PREREQUISITES:**

- 12 credits in 12SPS
- Must be currently participating in a sports team.

If none of these apply then permission may still be granted after an interview with the HOF.

**LEARNING ACTIVITIES:** This course follows on from Year 12 Sports Studies and has a focus on learning about and through sport and physical activity. The course involves learning about fundamentals of personal training, fitness, injury prevention, sports performance and coaching. Successful students will gain the MIT certificate in sports studies level 3.

**COST / EQUIPMENT:** \$35 – for workbook, course materials, off site trip.

### 13SPS

not eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91501		Demonstrate quality performance of a physical activity in an applied setting	3	4	
US22771		Plan a beginner level coaching session for sport participants	3	4	
US22768		Conduct and review a beginner level coaching session	3	6	
US20673		Demonstrate knowledge of injury prevention and risk and injury management in sport or recreation	3	4	
US7021		Demonstrate exercise techniques	3	8	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

PATHWAYS/CAREER RELEVANCE: Sports Coaching, PE teaching, Personal training.

TIC: Mr Angus

## OUTDOOR EDUCATION (12OED)

**LEVEL:** NCEA Level 2 Achievement Standards: **7 Credits** Unit Standards: **25 Credits**

**PREREQUISITES:** Year 11 PE Achievement Standard 1.1 (AS90962) PLUS interview with TIC of Course or HOD

**LEARNING ACTIVITIES:** In this course, students will apply classroom based learning activities into an outdoor education environment.

- The camp will focus on tramping and will include navigation, weather information and cooking.
- The rest of the course will focus on mountain biking and ropes activities. The mountain biking component will cover: mountain bike maintenance and mountain bike set up.
- The ropes course will cover; low and high ropes based activities. The low and high ropes component will be run through 3 separate day trips these will take place at Adventure Works UNITEC.

**COST / EQUIPMENT:** \$580. Mountain biking 3x sessions (\$150). High/low ropes (\$300). Tramping/camping (\$130 + food). We advise the set up of an automatic payment over the year to make this more manageable.

12OED			eligible for Course Endorsement				CREDITS		
Standard	L/N	Title	Level	Int	Ext				
AS91330		Perform a physical activity in an applied setting	2	4					
AS91334		Consistently demonstrate social responsibility through applying a social responsibility model in physical contexts	2	3					
US467		Adventure based learning	2	3					
US431		Outdoor Navigation	2	3					
US20159		Weather interpretation in the Outdoors	2	2					
US425		Day Tramps	2	3					
US20138		Select, set up and maintain a mountain or cycle touring bike	2	3					
US457		Mountain bike on intermediate to expert terrain	2	2					
US470		Demonstrate personal and social development through participation in a low ropes course	2	3					
US473		Demonstrate personal and social development through participation in a high ropes course	2	3					
US426		Experience Camping	2	3					
Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy			12OED Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
			Sector related credits						
			Recommended credits				7	3	7

**PATHWAYS/CAREER RELEVANCE:** This course can lead on to Certificate, Diploma and Degree in Outdoor Education. The purpose and design of this course is to give students an opportunity to learn in and through a variety of Outdoor Education activities, designed to give them an insight into the Outdoor Education industry and to begin to prepare them for a potential career in one of the following pathways.

**Adventure Tourism** – Guiding, leading and administration of adventure and eco-tourism experiences and programmes for tourists and visitors.

**Secondary and Tertiary Teaching** –Working within school, polytechnic, college of education and university settings as an outdoor education teacher/lecturer

**Outdoor Education Centres** –Working as an instructor at an outdoor centre. This includes programmes for schools and educational, therapeutic and corporate groups.

**Fitness Industry** – Working as a fitness instructor or as a personal trainer in centres or for corporate groups.

**Conservation groups** – This may include working for The Department of Conservation (DOC)

TIC: Mr Smith

# LANGUAGE & LANGUAGES FACULTY LAN

**FACULTY LEADER: Ms Feist**

English	→ English	→ Eng creative writing L1 Eng formal writing L1 Com English L1	→	→ Eng crafted writing L2 English L2 Media Studies L2 Com English L1/L2 U Std	→	→ Eng crafted writing L3 English L3 Media Studies L3 Com English L2/3 U Std
ESOL	↔	↔ English Academic L1 U Std EFS L1 U Std	↔	↔ English Academic L2 U Std EFS L2 U Std	↔	↔ English Academic L2/3+U Std
ELS ELIP	→ ELS → ELIP	→ ELS L2 U Std → ELIP	→	→ ELS L2/3 U Std → ELIP	→	→ ELS → ELIP Adults ESOL
Language	→ German → Japanese → Chinese → Māori	→ German L1 → Japanese L1 → Chinese L1 → Māori L1	→	→ German L2 / (Cor) → Japanese L2 / (Cor) → Chinese L2 / (Cor) → Māori L2 / (Cor)	→	→ German L3 / (Cor) → Japanese L3 / (Cor) → Chinese L3 / (Cor) → Māori L3 / (Cor)



**COMMUNICATIONS ENGLISH****(12CEN)****LEVEL:** NCEA Level 1&2 Achievement Standards: **13 credits** Unit Standards: **5 credits****PREREQUISITES:** Three years secondary English**LEARNING ACTIVITIES:** This course follows the national curriculum, covering speaking, listening, writing, reading, presenting and viewing. There will be a focus on wide reading with responses to written and visual texts assessed through internal assessment. Production skills will be taught and assessed. It covers interpersonal speaking and listening as well as being an effective communicator. All the achievement standard credits gained from this course count towards the Level 1 literacy requirement. This course also provides the foundation for Level 2 UE writing literacy which will be assessed in 13CEN.**COST / EQUIPMENT:** Usual writing materials.

12CEN			not eligible for Course Endorsement			CREDITS			
Standard	L/N	Title	Level	Int	Ext				
US 2989		Select, access and read texts to gain knowledge	2	3					
US 1294		Be interviewed in a formal situation	2	2					
US 3492		Write a short report	2	3					
AS90857	L	Construct and deliver an oral text	1	3					
AS90855		Create a visual text	1	3					
US 7120		Demonstrate knowledge of note-taking	1	2					
AS90856	L	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	1	3					
<b>Notes:</b> L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy			12CEN Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
			Sector related credits				3	3	3
			Recommended credits		3	8		2	5

**PATHWAYS / CAREER RELEVANCE:** English is a language-rich subject, and a requirement for all future career and vocational pathways.**TIC: Ms Fletcher****COMMUNICATIONS ENGLISH****(13CEN)****LEVEL:** NCEA Level 2, 3 and 4 Unit and Achievement Standards: 24 credits from the standards listed.**PREREQUISITES:** Study at Year 12 (either 12CEN or 12ENG).**LEARNING ACTIVITIES:** This course follows the national curriculum, covering speaking, listening, writing, reading, presenting and viewing. There will be a focus on writing with responses to written and visual texts assessed through internal assessment. This course leads from Level 2 English courses. The effective use of English is an asset in all situations.**COST / EQUIPMENT:** Usual writing materials/devices

13CEN			not eligible for Course Endorsement			CREDIT S			
Standard	R/W	Title	Level	Int	Ext				
US22751	R	Read and process information for academic purposes	4	5					
AS91101	W	Produce a selection of crafted and controlled writing	2	6					
US9681		Participate in groups and/or teams to make decisions	3	3					
US1296		Interview in an informal one-to-one situation	3	3					
US2990		Read texts to research information	3	4					
US1279		Write In Plain English	3	3					
<b>Notes:</b> R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE			13CEN Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
			Sector related credits						
			Recommended credits	6		6	6	6	9

**PATHWAYS / CAREER RELEVANCE:** Communications English is a course that offers the writing standards necessary to fulfill the written component of their Level 2 literacy credits. Students will need to attain their Level 2 reading literacy credits from other courses, to fulfill the requirements for entrance to University and other tertiary institutes. Those students who wish to meet the Auckland University English requirement for guaranteed entry should enroll in 12 ENG.**TIC: Ms Morrison****ENGLISH – CRAFTED WRITING****(12ENC)****LEVEL:** NCEA Level 2 Achievement Standards: 21 credits**PREREQUISITES:** 12 credits from 11ENC or 11ENF achievement standards with a preference for an Achieved grade or better in the writing standards**LEARNING ACTIVITIES:** This course has a writing focus and will suit confident writers. Students will contribute to a writing folio of work during the year. The course follows the national curriculum, covering speaking, listening, writing, reading, presenting and viewing. Students will be able to use information literacy skills to form developed conclusions.**COST / EQUIPMENT:** A suitable device and a 1B5 exercise book

12ENC			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91098	R/W	Analyse specified aspect(s) of studied written text(s) supported by evidence	2		4			
AS91099	W	Analyse specified aspect(s) of studied visual or oral text(s) supported by evidence	2		4			
AS91101	W	Produce a selection of crafted and controlled writing	2	6				
AS91102		Construct and deliver a crafted and controlled oral text	2	3				
AS91104		Analyse significant connections across texts, supported by evidence	2	4				

Notes: R - contributes to 5 L2 Reading credits for UE /  
W - contributes to 5 L2 Writing credits for UE

12ENC Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits	21		21	21	17	21

**PATHWAYS/CAREER RELEVANCE:** English is a language-rich subject, and a requirement for all future career and vocational pathways.

TIC: Mr Jansen

## ● ENGLISH – CRAFTED WRITING (13ENC) ●

**LEVEL:** NCEA Level 3 Achievement Standards: 25 credits

**PREREQUISITES:** At least 12 credits gained through Level 2 English Achievement Standards with a preference for an Achieved grade or better in the writing standards.

**LEARNING ACTIVITIES:** This course has an academic, writing focus and will suit students with confident writing skills. The writing folio will be a major component of the internal assessment. The course will offer students a stimulating, in-depth study of a range of written texts. Students will develop their critical and analytical abilities. This will appeal to students with a love of literature and language. Students who enjoy analysis of visual text should consider taking 13ENG.

**COST / EQUIPMENT:** A suitable device.

● 13ENC			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91472	R/W	Respond critically to specified aspects of studied written texts supported by evidence	3		4			
AS91473	R/W	Respond critically to specified aspects of studied visual texts supported by evidence	3		4			
AS91474	R/W	Respond critically to unfamiliar written texts through close reading, using supporting evidence	3		4			
AS91476*		Create and deliver a fluent and coherent oral text	3	3				
AS91477*		Create a fluent and coherent visual text which develops, sustains, and structures ideas using verb and visual language	3	3				
AS91475	W	Produce a selection of fluent and coherent writing	3	6				
AS 91478*		Respond critically to significant connections across texts, supported by evidence	3	4				
AS91479*	R	Develop an informed understanding of literature and/or language using critical texts	3	4				

Notes: R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

\*Students will choose between AS91476 and AS91477

\*Students will choose between AS91479 and AS91478

**PATHWAYS/CAREER RELEVANCE:** English is a language-rich subject, and a requirement for all future career and vocational pathways.

TIC: Mr Jansen

## ENGLISH (12ENG)

**LEVEL:** NCEA Level 2 Achievement Standards: 18 credits

**PREREQUISITES:** Achievement in at least one of the writing, or response to text standards offered in the 11ENF or 11ENC courses. If this doesn't apply then permission may be granted at the discretion of the HOF.

**LEARNING ACTIVITIES:** This course follows the national curriculum, covering speaking, listening, writing, reading, presenting and viewing. Oral and visual presentations, wide reading making connections across texts. There will be a focus on visual text analysis. Response to written text essay and unfamiliar texts will be assessed in the external exam. Response to visual text essay in the external exam will be optional depending on credits gained from internal assessments.\*

**COST / EQUIPMENT:** A suitable device and 1B5 exercise book.

12ENG			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91098	R/W	Analyse specified aspect(s) of studied written text(s) with supporting evidence	2		4			
AS91099*	W	Analyse specified aspect(s) of studied visual or oral text(s) supported by evidence	2		4			
AS91102		Construct and deliver a crafted and controlled oral text	2	3				
AS91107		Analyse aspects of visual and/or oral texts through close viewing and/or listening	2	3				
AS91100	W/R	Analyse significant aspects of unfamiliar texts through close reading with supporting evidence	2		4			
AS91104		Analyse significant connections across texts, supported by evidence	2	4				

Notes: R - contributes to 5 L2 Reading credits for UE /  
W - contributes to 5 L2 Writing credits for UE

12ENG Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits	19		19	19	11	22

**PATHWAYS/CAREER RELEVANCE:** English is a language-rich subject, and a requirement for all future career and vocational pathways.

**TIC: Mr Jansen**

**ENGLISH (13ENG)**

**LEVEL:** NCEA Level 3 Achievement Standards: 18 credits  
**PREREQUISITES:** At least 12 credits gained through Level 2 English Achievement Standards.  
**LEARNING ACTIVITIES:** The course allows students to develop their critical and analytical skills in reading a range of literary texts. There will be a focus on visual text analysis. Tasks will include class and group discussions, seminars, assignments, essays.  
**COST / EQUIPMENT:** A suitable device and 1B5 exercise book

13ENG			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91472	W/R	Respond critically to a specified aspect of studied written text with supporting evidence	3		4			
AS91473	W	Respond critically to specified aspect(s) of studied visual/oral texts	3		4			
AS91476		Create and deliver a fluent and coherent oral text	3	3				
AS91478		Respond critically to significant connections across texts	3	4				
AS91480		Respond critically to visual/oral text(s) through close reading	3	3				

Notes: **R** - contributes to 5 L3 Reading credits for UE / **W** - contributes to 5 L3 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** English is a language-rich subject, and a requirement for all future career and vocational pathways.

**TIC: Mr Jansen**

**MEDIA STUDIES (12MED)**

**LEVEL:** NCEA Level 2 Achievement Standards: 21 credits  
**PREREQUISITES:** At least 12 credits in Level 1 English.  
**LEARNING ACTIVITIES:** Media will interest those who are keen on exploring the world around them, examining the landscape of media culture and looking both at how it shape us and how we shape it. This course is ideal for students with a creative flair who are interested in analyzing how the media works. Throughout the year students will engage with narrative analysis, issues surrounding media representation, and the relationship between genre and society. They will also make their own documentary film. The course demands that students take a vibrant interest in current events, political and social issues, and that they have strong written skills.  
**COST / EQUIPMENT:** Students need out-of-school access to a T.V and Video/DVD, as well as the computer and internet.

12MED			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91249		Demonstrate understanding of narrative in media texts	2	4				
AS91250		Demonstrate understanding of representation in the media	2	3				
AS91251	R/W	Demonstrate understanding of an aspect of a media genre	2		4			
AS91252		Produce a design and plan for a developed media product using a range of conventions	2	4				
AS91253		Complete a developed media product from a design and plan, using a range of conventions	2	6				

Notes: **R** - contributes to 5 L2 Reading credits for UE / **W** - contributes to 5 L2 Writing credits for UE

12MED Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
<b>Sector related credits</b>						<b>21</b>
<b>Recommended credits</b>						

**PATHWAYS/CAREER RELEVANCE:** Creative abilities combined with a critical understanding of the visual media can lead to careers in academia, advertising, communications, publishing, marketing and promotional work, television and film, journalism, public relations.

**TIC: Ms Tregedeon**

**MEDIA STUDIES (13MED)**

**LEVEL:** NCEA Level 3 Achievement Standards: 23 credits  
**PREREQUISITES:** At least 12 credits in Level 2 Media Studies and/or at least 12 credits in Level 2 English.  
**LEARNING ACTIVITIES:** This course takes an in depth look at how media of old and new communicate messages and ideas to audiences. Students will learn to read media critically, interpret sub-textual messages, research media issues, produce crafted feature writing and create a media product of their choice. It is not necessary to have previous experience in any of the media studies courses. However, students should have solid writing skills and an interest in current events, the media and how these shape the world around us. This course is ideal for anyone wanting to pursue further study in the media field or the humanities.  
**COST / EQUIPMENT:** Students need out-of-school access to a T.V. and Video/DVD, as well as a computer and internet.

13MED			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91491		Demonstrate understanding of the meaning of a media text through different readings	3	3				

AS91493	R/W	Demonstrate understanding of a relationship between a media genre and society	3		4
AS91494		Produce a design for a media product that meets the requirements of a brief	3	4	
AS91495		Produce a media product that meets the requirements of a brief	3	6	
AS91496		Demonstrate understanding of a significant development in the media	3	3	
AS91497	W	Write a media text to meet the requirements of a brief	3	3	

Notes: R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** Creative abilities combined with a critical understanding of the visual media can lead to careers in advertising, academia, communications, publishing, marketing and promotional work, television and film, journalism, public relations.

TIC: Ms Tregedeon

## TE REO MĀORI (12MAO)

**LEVEL:** NCEA Level 2 Achievement Standards: up to 28 credits

**PREREQUISITES:** 11 Māori

**LEARNING ACTIVITIES:** 12 Māori develops further language skill within the main pūkenga: whakarongo, tuhituhi, kōrero, pānui and whakaaturanga. Students will also learn more about Ahurea/culture, and have opportunities to speak in the reo to boost confidence. This subject requires hard work and focus.

**COST / EQUIPMENT:** \$150 (approx.) 2B5/Laptop/ pens/pencils/clearfile/refill for Trip to marae/Museum, Kapa Haka showcase Ngā Manu Kōrero.

12MAO		eligible for Course endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext		
AS91284		Whakarongo kia mōhio ki te reo o te ao torotoro	2	4			
AS91285		Kōrero kia whakamahi i te reo o te ao torotoro	2	6			
AS91286	R	Pānui kia mōhio ki te reo o te ao torotoro	2			6	
AS91287	W	Tuhi i te reo o te ao torotoro	2			6	
AS91288	W	Waihanga tuhinga auaha, i te reo o te ao torotoro	2	6			

Notes R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

12MAO Vocational Pathway	C & I	M & T	PI	SI	S & CS	I
Sector related credits						
Recommended credits			28	28	28	28

**PATHWAYS/CAREER RELEVANCE:** Māori Media/Journalism, iwi management, tertiary education, Teaching-ECE/Primary/Secondary, Linguistics, Medical Professional, Legal work. Te Reo Māori and understanding of tikanga and Kawa are a benefit to have in any Profession in Aotearoa and abroad.

TIC: Mrs Leauga

## TE REO MĀORI (13MAO)

**LEVEL:** NCEA Level 3 Achievement Standards: 28 credits

**PREREQUISITES:** 14 credits in 12 MAO

**LEARNING ACTIVITIES:** This course contains further development of mātauranga Māori, as it enters into more complex grammar features, alternative vocabulary including whakatauki and dialectal variance. Students will speak/present/ listen to and write in Te reo Māori with confidence and flair. They will be offered a variety of Māori experiences to develop their reo including kōrero and Kapa Haka performances for international roopu/ students/ Whānau and kaiako.

**COST / EQUIPMENT:** \$150 (approx.) Trip to Marae/ University/ Māori shows and speaking competitions.

13MAO		eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext		
AS9165		Whakarongo kia mōhio ki te reo Māori o te ao whānui	3				
AS91651		Kōrero kia whakamahi i te reo Māori o te ao whānui	3	6			
AS91652	R	Pānui kia mōhio ki te reo Māori o te ao whānui				6	
AS91653	W	Tuhi i te reo Māori o te ao whānui	3			6	
AS91654	W	Waihanga tuhinga whai take i te reo Māori o te ao whānui	3	6			

Notes: R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** Māori Media/Journalism, iwi management, tertiary education, Teaching-ECE/Primary/Secondary, Linguistics, Medical Professional and Legal work. Speakers of Te Reo Māori are in high demand, similarly the ability to speak/understand kawa and advise Māori people are all seen as positives in many career pathways.

TIC: Mrs Leauga

## ENGLISH FOR ACADEMIC PURPOSES (12EAP)

**LEVEL:** NCEA Level 2 and 3 English Language (EL) Unit Standards and Level 1 English Achievement Standards: 23 credits

**PREREQUISITES:** For students from language backgrounds other than English. A pre-entry test will be given to determine the language level. Level 1 Literacy. This course is the first year of a two year course: 12EAP in 2016 and 13EAP in 2017.

**LEARNING ACTIVITIES:** Students prepare for level 2 literacy standards required for university entrance. They will develop reading, writing, listening and speaking skills at the pre-advanced level. They will also focus on learning and using academic vocabulary and associated grammar and language structures, and on developing academic writing.

**COST / EQUIPMENT:** \$20 for a vocabulary workbook: *Improve Your Vocabulary Book 1*. A clearfile, an exercise book and usual writing equipment.

12EAP			not eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
US28068		Write texts on familiar topics (EL)	3	5				
US28050		Demonstrate understanding of spoken information on familiar topics	3	5				
US2989		Select, read and assess texts to gain knowledge	2	3				
US1294		Be interviewed in a formal interview	2	2				
AS91102		Construct and deliver a crafted and controlled oral text	1	3				
US22751*	R	Read and process information in English for academic purposes	4	5				

Notes: R - contributes to 5 L2 Reading credits for UE /  
W - contributes to 5 L2 Writing credits for UE

12EAP Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits		3	5	3	2	5

12EAP students will also complete three of the six tasks for AS91106, which they will complete in 13EAP.

\*12EAP students who have achieved well in NCEA Level 1 may be offered US22751.

**PATHWAYS / CAREER** Preparation for 13EAP.

**RELEVANCE:**

**TIC: Mr Bangs**

## ENGLISH FOR ACADEMIC PURPOSES (13EAP)

**LEVEL:** Level 4 English Unit Standards, Level 2 and 3 English Achievement Standards, Level 2 Literacy. 23 credits

**PREREQUISITES:** A pre-entry test will be given to determine the language level. Students with less than adequate English skills must also enroll in 13ELS.

**LEARNING ACTIVITIES:** For most students 13EAP is the second year of a two year course which prepares students for the Level 2 literacy standards required for entrance into university. Students develop academic writing and reading skills, and improve their listening skills at an advanced level. They expand their knowledge of academic vocabulary and word forms, and use these in written and spoken forms. Students also learn presenting and seminar skills.

**COST / EQUIPMENT:** \$20 for vocabulary workbook: *Improve Your Vocabulary Book 2*; a 40-page clearfile, refill paper, usual writing equipment.

13EAP			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
US22751	R	Read and process information in English for academic purposes	4	5				
US22750	W	Write a crafted text using researched material in English for an academic purpose	4	5				
AS91476		Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	3	5				
AS91105	R	Use information literacy skills to form developed conclusion(s)	2	4				
AS91106	R	Form developed personal responses to independently read texts, supported by evidence	2	4				

Notes: R - contributes to 5 L2 Reading credits for UE /  
W - contributes to 5 L2 Writing credits for UE  
endorsement depends on the combination of achievement standards

13EAP Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits	8		8	8	8	8

**PATHWAYS / CAREER** Fulfillment of literacy requirements for university entrance.

**RELEVANCE:**

This course provides the opportunity to English Language Learners to gain the literacy requirements for university, to learn how to research effectively and present findings clearly in written and spoken forms.

**TIC: Mr Bangs**

## ENGLISH FOR FURTHER STUDY (12EFS)

**LEVEL:** NCEA Level 2 and 3 English Language (EL) Unit Standards; Level 1 Literacy Unit Standards; Level 1 English Standard: **24 credits**.

**PREREQUISITES:** For students from language backgrounds other than English 11EFS or a pre-entry test will be given to determine the language level. This course is the first year of a two year course: 12EFS in 2016 and 13EAP + 13IEL in 2017. Students must also study 12ELS.

**LEARNING ACTIVITIES:** Students prepare for level 1 literacy standards. They will develop reading, writing, listening and speaking skills at the post intermediate level. They will also focus on learning and using academic vocabulary and associated grammar and language structures.

**COST / EQUIPMENT:** \$20 for a vocabulary workbook; a 40-page clearfile, refill paper

12EFS			One standard eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US28056		Read and understand texts on familiar topics (EL)	3	5				



US28022		Understand spoken information on familiar topics (EL)	2	5	
US27999		Write basic or simple information texts on familiar topics (EL)	2	8	
AS90857	L	Construct and deliver an oral text	1	3	
US26622	L*	Write to communicate ideas for a purpose and audience	1	4	
US26625	L*	Actively participate in spoken interactions	1	3	

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

\*These unit standards must be credited as a group and cannot be credited individually.

Note: Level 1 is the **English** level; Levels 2 and 3 are **ESOL** levels

US26622 and US26625 are co-requisites for US26624 in 12ELS. All three standards must be achieved to gain the 10 credits.

**PATHWAYS/CAREER RELEVANCE:** Completing Level 1 literacy and preparation for 12EAP or 13EAP.

**TIC: Mr Bangs**

## ENGLISH LANGUAGE SUPPORT ESOL (12ELS)

**EVEL:** NCEA Level 2 English Language (EL) Unit Standards: **5 credits**  
An option for senior students requiring additional English language support.

**PREREQUISITES:** For students from language backgrounds other than English. No prior study required **but** students must also enroll in 12EFS.

**LEARNING ACTIVITIES:** Using a variety of interactive strategies, students will develop grammar and vocabulary and writing, improve reading and listening comprehension and be assisted in coping with the language demands of their other subjects. The work done in this class will contribute towards the achievement of the Literacy Unit Standards in 12EFS.

**COST / EQUIPMENT:** A 40-page clearfile, refill paper, usual writing equipment. Note: The *Improve Your Vocabulary Book 1* purchased for 12EFS will also be used in 12ELS.

12ELS			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US26624	L*	Read texts with understanding	1	3				

**Note:** Students who have not achieved US27999 in 11EFS in 2015 will write the recount task of this standard in 12ELS in 2016.

L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

US26624 is a co-requisite for US26622 and US26625 in 12EFS. All three standards must be achieved to gain the 10 credits. If a student cannot study 12ELS due to a timetable clash, he/she will complete US26624 in 12EFS.

**PATHWAYS/CAREER RELEVANCE:** An interim course designed to help students understand English skills required in mainstream courses and make a smooth transition to a full programme.

**TIC: Mr Bangs**

## ENGLISH LANGUAGE SUPPORT (13ELS)

**LEVEL:** This course supports the work towards assessments at Levels 2 and 3 in 13EAP. There are no NCEA assessments in this course.

**PREREQUISITES:** For students from language backgrounds other than English. Teachers will determine students' language levels based on their results in Year 12 English classes. Students with high English language needs will be required to study both 13EAP and 13ELS. 13ELS must be their sixth option and replaces their study period.

**LEARNING ACTIVITIES:** The focus of this course is to support students in the development of their written and spoken language. Students expand and improve vocabulary, practice formal writing, improve comprehension of a variety of academic texts, improve listening accuracy and practice spoken presentations. Students will also be assisted in coping with the language demands of their subjects.

**COST / EQUIPMENT:** A 40-page clearfile, refill paper, usual writing equipment. Note: The *Improve Your Vocabulary Book 2* purchased for 13EAP will also be used in 13ELS.

**PATHWAYS/CAREER RELEVANCE:** Language development in this course will support the work done in 13EAP towards Level 2 Literacy, a key requirement for entrance into university courses.

**TIC: Mr Bangs**

## CHINESE (MANDARIN) (12CHI)

**LEVEL:** NCEA Level 2 Achievement Standards: **19 credits**

**PREREQUISITES:** At least 5 credits gained internally AND 5 credits gained externally through NCEA Level 1 Chinese. Otherwise permission required from the TIC.

**LEARNING ACTIVITIES:** This course covers the national curriculum at Level 7. Students are able to express and justify their ideas and opinions in genuine contexts, and demonstrate understanding of a variety of written and spoken Chinese in the areas of School Life in both New Zealand and China, Hobbies and Leisure time, travel and transport, festivals and customs. Basic Chinese-English translation skill is one of the key components of this course.

**COST / EQUIPMENT:** \$ 26 for workbooks  
\$ 20 for 'Language Perfect' - online vocabulary tool for use at home (annual fee)

12CHI			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91108		Demonstrate understanding of a variety of spoken Chinese texts on familiar matters.	2		5			
AS91110		Give a spoken presentation in Chinese that communicates information, ideas and opinions.	2	4				
AS91111		Demonstrate understanding of a variety of written / visual Chinese text(s) on familiar matters.	2		5			
AS91112		Write a variety of text types in Chinese to convey information, ideas, and opinions in genuine contexts	2	5				

Notes: L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12CHI Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits				10		

**PATHWAYS / CAREER RELEVANCE:** With the strong ties being developed between New Zealand and Chinese-speaking countries, career opportunities are increasing in trade, tourism, education (teaching), diplomacy, and technology amongst many others.

TIC: Ms Fang

## ●CHINESE (MANDARIN) (13CHI)●

**LEVEL:** NCEA Level 3 Achievement Standards: **18 credits**  
**PREREQUISITES:** At least 5 credits gained internally AND 5 credits gained externally through NCEA Level 2 Chinese. Otherwise permission required from the TIC.

**LEARNING ACTIVITIES:** The course covers the national curriculum at Level 8. A communicative approach is adopted which is activity based, interactive and learner centred. Learners are encouraged to use the language for real, purposeful communication in a range of contexts. The development of the four language skills and Chinese – English translation skills is the key component of this course.

**COST / EQUIPMENT:** \$ 26 for workbooks;  
\$ 20 for 'Language Perfect' - online vocabulary tool for use at home (annual fee)

## ●13CHI eligible for Course Endorsement CREDITS

Standard	L/N	Title	Level	Int	Ext			
AS91533		Demonstrate understanding of a variety of extended spoken Chinese texts.	3		5			
AS91534		Give a clear spoken presentation in Chinese that communicates a critical response to stimulus material.	3	3				
AS91536		Demonstrate understanding of a variety of extended written and/or visual Chinese texts.	3		5			
AS91537		Write a variety of text types in clear Chinese to explore and justify varied ideas and perspectives.	3	5				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS / CAREER RELEVANCE:** Chinese is a significant language for NZ because of the strong ties being developed with Chinese-speaking countries. Career opportunities exist in trade, tourism, education (teaching), diplomacy and technology amongst many others.

TIC: Ms Fang

## GERMAN (12GER)

**LEVEL:** NCEA Level 2 Achievement Standards: **19 credits**  
**PREREQUISITES:** At least 5 credits gained internally AND 5 credits gained externally through NCEA Level 1 German. Otherwise permission required from TIC German.

**LEARNING ACTIVITIES:** This course covers the national curriculum at Level Seven. Students can use language variably and effectively to express and justify their own ideas and opinions, and support or challenge the ideas of others. They are able to use and identify the linguistic and cultural forms that guide interpretation and enable them to respond critically to texts. The activities involve listening, speaking, reading and writing. Main areas of study: Music, Films and TV / Personal relationships / Future Plans / Travelling to Berlin / Housing and Lifestyles.

**COST / EQUIPMENT:** \$44 for workbook (contains Student Audio CD)  
\$20 for 'Language Perfect' - online vocabulary tool for use at home (annual fee)

## 12GER eligible for Course Endorsement CREDITS

Standard	L/N	Title	Level	Int	Ext			
AS91123		Demonstrate understanding of a variety of spoken German texts on familiar matters	2		5			
AS91125		Give a spoken presentation in German that communicates information, ideas, and opinions	2	4				
AS91126		Demonstrate understanding of a variety of written/visual German text(s) on familiar matters	2		5			
AS91127		Write a variety of text types in German for genuine contexts.	2	5				

Notes: L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12GER Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits				10		

**PATHWAYS / CAREER RELEVANCE:** Business, Diplomatic Service, Trade, Foreign Banking, Community Service, International Law, Tourism, Science, Engineering, Technology, Politics, Music, Education.

TIC: Ms Zimmer

## ●GERMAN (13GER)●

**LEVEL:** NCEA Level 3 Achievement Standards: **18 Credits**

**PREREQUISITES:** At least 5 credits gained internally AND 5 credits gained externally through NCEA Level 2 German. Otherwise permission required from TIC German.

**LEARNING ACTIVITIES:** This course covers the national curriculum at Level Eight. The communicative approach is used encouraging learners to engage in meaningful communication in German: German is used as much as possible in the learning environment and interactive, learner-centred activities are central to the programme. The activities involve listening, watching, speaking, reading and writing. Main areas of study: Traditional Stories / Our changing world / Environmental issues / Sports / Festivals.

**COST / EQUIPMENT:** \$20 for 'Language Perfect' - online vocabulary tool for use at home (annual fee)

●13GER			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91548		Demonstrate understanding of a variety of extended spoken German texts.	3		5			
AS91549		Give a clear spoken presentation in German that communicates a critical response to stimulus material.	3	3				
AS91551		Demonstrate understanding of a variety of extended written and/or visual German texts.	3		5			
AS91552		Write a variety of text types in clear German to explore and justify varied ideas and perspectives.	3	5				

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE / W** - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS / CAREER RELEVANCE:** Business, Diplomatic Service, Trade, Foreign Banking, Community Service, International Law, Tourism, Science, Engineering, Technology, Politics, Music, Education.

**TIC: Ms Zimmer**

## JAPANESE (12JAP)

**LEVEL:** NCEA Level 2 Achievement Standards: **19 credits**

**PREREQUISITES:** At least 5 credits gained internally AND 5 credits gained externally through NCEA Level 1 Japanese. Otherwise permission required from TIC Japanese.

**LEARNING ACTIVITIES:** Students will be producing crafted text and learning to speak about situations which are beyond their personal experiences. They will cover areas such as home staying in Japan, Japanese culinary and the Japanese education system. Students may apply for our 5-week exchange to Japan.

**COST / EQUIPMENT:** \$20 for 'Language Perfect' - online vocabulary tool for use at home/school (annual fee)

12JAP			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91133		Demonstrate understanding of a variety of spoken Japanese texts on familiar matters	2		5			
AS91135		Give a spoken presentation in Japanese that communicates information, ideas and opinions	2	4				
AS91136		Demonstrate understanding of a variety of written/visual Japanese text(s) on familiar matters	2		5			
AS91137		Write a variety of text types in Japanese for genuine contexts	2	5				

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12JAP Vocational Pathway	C & I	M & T	PI	S I	S & CS	CI
<b>Sector related credits</b>						
<b>Recommended credits</b>				10		

**PATHWAYS / CAREER RELEVANCE:** Trade, Teaching (Education), JET Programme (international relations / translating), Hospitality / Tourism. Services for Japanese living in NZ (Doctor, Accountant, Lawyer, Real Estate, Banking etc)

**TIC: Mr Burden**

## ●JAPANESE (13JAP)

**LEVEL:** NCEA Level 3 Achievement Standards: **18 credits**

**PREREQUISITES:** At least 5 credits gained internally AND 5 credits gained externally through NCEA Level 2 Japanese. Otherwise permission required from TIC Japanese.

**LEARNING ACTIVITIES:** Students will learn practical skills for use in Japan. For example, creating a Japanese CV and having a mock interview in Japanese. Other topics include Japanese etiquette, traditions and festivals, city and country life and social and environmental issues.

**COST / EQUIPMENT:** \$20 for 'Language Perfect' - online vocabulary tool for use at home/school (annual fee)

●13JAP			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91553		Demonstrate understanding of a variety of extended spoken Japanese texts.	3		5			
AS91554		Give a spoken presentation in Japanese that communicates a critical response to stimulus material.	3	3				
AS91556		Demonstrate understanding of a variety of extended written and/or visual Japanese texts.	3		5			
AS91557		Write a variety of text types in clear Japanese to explore and justify varied ideas and perspectives.	3	5				

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** Trade, Teaching (Education), JET Programme (international relations / translating), Hospitality / Tourism. Services for Japanese living in NZ (Doctor, Accountant, Lawyer, Real Estate, Banking etc)



**SPANISH (12SPN)**

- LEVEL:** NCEA Level 1 Achievement Standards and Unit Standards: **19 credits**
- PREREQUISITES:** No prior study required. However, for those students with no prior knowledge of Spanish, this is a very intensive course and such students will need a good Year 11 or 12 academic record especially in English or another language. Open to Year 11, 12 and 13 students.
- LEARNING ACTIVITIES:** Students will begin with no prior knowledge of Spanish to acquire vocabulary, learn to read and use basic grammar, to pronounce Spanish and gain fluency in speaking the language, read and understand longer texts, communicate in Spanish in a variety of everyday situations and gain an appreciation of Spanish and Hispanic culture and ways of life. Students who have already achieved Level 1 or the equivalent, or Level 2 or the equivalent will study Spanish by correspondence.
- COST / EQUIPMENT:** \$15 annual fee for *Language Perfect* - online vocabulary tool for use at home and at school and \$35 for a workbook. A clearfile, refill paper and usual writing equipment.

12SPN			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS90908		Demonstrate understanding of a variety of spoken Spanish texts on areas of most immediate relevance.	1		5			
AS90909		Give a spoken presentation in Spanish that communicates a personal response	1	4				
AS90911		Demonstrate understanding of a variety of Spanish texts on areas of most immediate relevance	1		5			
AS90912		Write a variety of text types in Spanish on areas of most immediate relevance	1	5				

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

- PATHWAYS / CAREER RELEVANCE:** Further study in Spanish at the senior level may be possible. Spanish is a useful language for travel and for a number of careers such as business, marketing, international relations.

TIC: Mr Bangs

**MATHEMATICS FACULTY****MAT****FACULTY LEADER: Mr McLennan**

Maths	Maths L1	→	Maths Advanced r L1/2	→	Maths Advanced r L2	→	Maths - Calculus L3
	→ Maths	→	Maths L1	→	Maths L2	→	Maths - Statistics L3
			Maths Units L1	→	Maths Units L2	→	
			Maths Applied L1	→	Maths Applied L1/2	→	

**MATHEMATICS AND STATISTICS - ADVANCED****(12MAA)**

- LEVEL:** NCEA Level 2 Achievement Standards: **23 credits**
- PREREQUISITES:** At least 16 credits required from study of NCEA Level 1 Mathematics, including AS91035 (Statistics), AS91028 (Algebra/Graphs) and AS91027 (Algebra) as essential pre-requisites.
- LEARNING ACTIVITIES:** General mathematics course containing topics from within Algebra, Probability and Statistics and an introduction to Calculus.
- COST / EQUIPMENT:** Graphics calculator

12MAA			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS91256	N	Apply coordinate geometry methods in solving problems	2	2				
AS91257	N	Apply graphical methods in solving problems	2	4				
AS91261	N	Apply algebraic methods in solving problems	2		4			
AS91262	N	Apply calculus methods in solving problems	2		5			
AS91264	L/N	Use statistical methods to make an inference	2	4				
AS91267	L/N	Apply probability methods in solving problems	2		4			

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12MAA Vocational Pathway	C & I	M & T	P I	S I	S & CS	CI
<b>Sector related credits</b>						
<b>Recommended credits</b>	15	15	21	12	8	23

- PATHWAYS / CAREER RELEVANCE:** Leads on to Level 3 NCEA, NZQA Scholarship and tertiary level Mathematics courses. A general Mathematics course which assists study in other subjects

TIC: Mr Isdale

**MATHEMATICS AND STATISTICS****(12MAX)**

- LEVEL:** NCEA Level 2 Achievement Standards: **21 credits**
- PREREQUISITES:** At least 16 credits required from study of NCEA Level 1 Mathematics, including AS91035 (Statistics), AS91028 (Algebra/Graphs) and AS91027 (Algebra) as essential pre-requisites.
- LEARNING ACTIVITIES:** General mathematics course containing topics from within Algebra, Probability and Statistics and an introduction to Calculus.
- COST / EQUIPMENT:** Graphics calculator

12MAX			eligible for Course Endorsement			CREDITS					
Standard	L/N	Title	Level	Int	Ext						
AS91257	N	Apply graphical methods in solving problems	2	4							
AS91261	N	Apply algebraic methods in solving problems	2		4						
AS91262	N	Apply calculus methods in solving problems	2		5						
AS91264	L/N	Use statistical methods to make an inference	2	4							
AS91267	L/N	Apply probability methods in solving problems	2		4						
<b>Notes:</b> L - contributes to 10 credits L1 Literacy /			12MAX Vocational Pathway			C & I	M & T	P I	S I	S & CS	CI
N - contributes to 10 credits L1 Numeracy			Sector related credits								
			Recommended credits			13	13	21	12	8	21

**PATHWAYS / CAREER RELEVANCE:** Leads on to Level 3 NCEA and tertiary level Mathematics courses. A general Mathematics course which assists study in other subject areas.

TIC: Mr Isdale

## MATHS - APPLIED (12MAP)

**LEVEL:** NCEA Level 1/2 Achievement Standards: **16 credits**  
**PREREQUISITES:** At least 12 credits from study of Level 1 Mathematics.  
**LEARNING ACTIVITIES:** A continuation of Mathematics Applied course with further Achievement Standards selected from Measurement, Probability, Statistics, Trigonometry and Geometry.  
**COST / EQUIPMENT:** Scientific or graphics calculator essential.

12MAP			not eligible for Course Endorsement			CREDITS					
Standard	L/N	Title	Level	Int	Ext						
AS91030	N	Apply measurement in solving problems	1	3							
AS91032	N	Apply right-angled triangles in solving measurement problems	1	3							
AS91036	L/N	Investigate bivariate numerical data using the statistical enquiry cycle Level1	1	3							
AS91259	N	Apply trigonometric relationships in solving problems	2	3							
AS91260	N	Apply network methods in solving problems	2	2							
AS91268	L/N	Investigate a situation involving elements of chance using a simulation	2	2							
<b>Notes:</b> L - contributes to 10 credits L1 Literacy /			12MAP Vocational Pathway			C & I	M & T	P I	S I	S & CS	CI
N - contributes to 10 credits L1 Numeracy			Sector related credits								
			Recommended credits			11	9	13	3	7	16

**PATHWAYS / CAREER RELEVANCE:** An important basis for life skills.

TIC Mr Isdale

## MATHS - UNITS (12MAT)

**LEVEL:** NCEA Level 2 Achievement Standards: **17 credits**  
**PREREQUISITES:** At least 12 credits from study of Level 1 Mathematics Achievement Standards.  
**LEARNING ACTIVITIES:** Algebra, Probability, Statistics, Trigonometry, Geometry.  
**COST / EQUIPMENT:** Scientific or graphics calculator essential.

12MAT			eligible for Course Endorsement			CREDITS					
Standard	L/N	Title	Level	Int	Ext						
AS91258	N	Apply sequences and series in solving problems	2	2							
AS91259	N	Apply trigonometric relationships in solving problems	2	3							
AS91260	N	Apply network methods in solving problems	2	2							
AS91264	L/N	Use statistical methods to make an inference	2	4							
AS91267	L/N	Apply probability methods in solving problems	2		4						
AS91268	L/N	Investigate a situation involving elements of chance using a simulation	2	2							
<b>Notes:</b> L - contributes to 10 credits L1 Literacy /			12MAT Vocational Pathway			C & I	M & T	P I	S I	S & CS	CI
N - contributes to 10 credits L1 Numeracy			Sector related credits								
			Recommended credits			7	5	14	8	14	17

**PATHWAYS / CAREER RELEVANCE:** Achievement of (at least) 10 credits including AS91264 and AS91267 would allow student to select 13MAS course in the following year.

TIC: Mr McLennan

## ● CALCULUS (13MAC) ●

**LEVEL:** NCEA Level 3 Achievement Standards: **27 credits**  
**PREREQUISITES:** NCEA Level 2 Mathematics: AS91257, AS91261 and AS91262 are essential pre-requisites.  
**LEARNING ACTIVITIES:** Algebra, Calculus, Trigonometry, Co-ordinate Geometry.  
**COST / EQUIPMENT:** Graphics calculator.

● 13MAC			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91578	N	Apply differentiation methods in solving problems	3		6			

AS91579	N	Apply integration methods in solving problems	3		6
AS91575	N	Apply trigonometric methods in solving problems	3	4	
AS91577	N	Apply the algebra of complex numbers in solving problems	3		5
AS91573	N	Apply the geometry of conic sections in solving problems	3	3	
AS91587	N	Apply systems of simultaneous equations in solving problems	3	3	

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** Applicable to a wide range of university courses including Commerce, Engineering, Science, Information Technology.

**TIC: Mr Paine**

**● STATISTICS (13MAS) ●**

**LEVEL:** NCEA Level 3 Achievement Standards: **20 credits**  
**PREREQUISITES:** NCEA Level 2 Mathematics: AS91264 (Statistics) and AS91267 (Probability) are essential pre-requisites.  
**LEARNING ACTIVITIES:** Statistics, Probability: Practical and theoretical, including statistical software applications.  
**COST / EQUIPMENT:** Graphics calculator

● 13MAS			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS91581	L/N	Investigate bivariate measurement data	3	4				
AS91582	L/N	Use statistical methods to make a formal inference	3	4				
AS91583	L/N	Conduct an experiment to investigate a situation using experimental design principles	3	4				
AS91585	N	Apply probability concepts in solving problems	3		4			
AS91586	N	Apply probability distributions in solving problems	3		4			

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS / CAREER RELEVANCE:** Applicable to a wide range of tertiary courses including Commerce, Engineering, Science, Social Sciences, Mathematics.

**TIC: Mr McLennan**

**SCIENCE FACULTY SCI**

**FACULTY LEADER: Mr Eyre**

Science	→	Science	→	Sci Biological Adv r L1	→	Biology Adv r L2	→	Biology Adv r L3/Schol
				Science Foundation L1	↔	Biology L2	→	Biology L3
				Science Mainstream L1	→	Earth & Space Sci L2	→	Earth & Space Sci L3/Schol
				Science Adv L1	→	Chemistry L2	→	Chemistry L3
				Sci Physical Adv r L1	→	Chemistry Adv r L2	→	Chemistry Adv r L3/Schol
					→	Physics Adv r L2	→	Physics Adv r L3/Schol
					→	Physics L2	→	Physics L3

**BIOLOGY (12BIO)**

**LEVEL:** NCEA Level 2 Achievement Standards: **22 credits**  
**PREREQUISITES:** **Either: 8 credits** from the Year 11 SCM course including the L1 Biology - Genetics Standard, **OR: 8 credits** from the Year 11 SCB course, **AND**  
 A high level of English comprehension, both written and spoken, is required, as students need to read widely in order to write discussions using technical vocabulary. If these prerequisites are not met, students must get written permission from the HOD Biology.

**LEARNING ACTIVITIES:** A variety of teaching methods will be used as appropriate to the content. Laboratory skills are essential in cell biology; problem solving in genetics; field studies in ecology. A variety of textbooks are used in conjunction with a workbook. Material will be presented in a variety of ways including PowerPoint presentations, videos and computer animations. Homework is a vital part of the course and students can expect to have regular homework set.

**COST / EQUIPMENT:** Approx. \$30 for the workbook and up to \$20 for the field trip.

12BIO			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext	Level	Int	Ext
AS91153	N	Carry out a practical investigation in a biology context, with supervision	2	4				
AS91155	L	Demonstrate understanding of adaptation of plants or animals to their way of life	2	3				
AS91156	L	Demonstrate understanding of life processes at the cellular level	2		4			
AS91157	L	Demonstrate understanding of genetic variation and change	2		4			

AS91158	L	Investigate a pattern in an ecological community	2	4	
AS91160		Investigate biological material at the microscopic level	2	3	

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12BIO Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>						
<b>Recommended credits</b>			22		15	

**PATHWAYS/CAREER RELEVANCE:** All fields of health science; medicine, sports science, animal studies, horticulture and forestry, biotechnology, ecology, wildlife management, agriculture and forensics.

**TIC: Ms Parker**

## ●BIOLOGY (13BIO)●

**LEVEL:** NCEA Level 3 Achievement Standards: **22 credits**  
**PREREQUISITES:** 12 credits from Level 2 Biology including one external. Students must be fluent in English to be successful. Chemistry is a useful supporting course, particularly if the student intends studying tertiary level Biological Sciences. If any of these prerequisites are not met, students must get written permission from the HOD Biology.

**LEARNING ACTIVITIES:** Use of text books and course workbooks; videos; PowerPoint presentations and class discussions. Trip to Auckland university for hands on experience in a lab. Trip to Auckland Zoo. Homework is a vital part of the course and students can expect to have regular homework set.

**COST / EQUIPMENT:** Approximately \$30 for the workbook and up to \$20 for the field trip.

### ●13BIO eligible for Course Endorsement CREDITS

Standard	R/W	Title	Level	Int	Ext
AS91602	R/W	Integrate biological knowledge to develop an informed response to a socio-scientific issue	3	3	
AS91603	R/W	Develop understanding of the responses of plants and animals to their external environment	3		5
AS91604	R	Demonstrate understanding of how an animal maintains a stable internal environment	3	3	
AS91605	R/W	Demonstrate understanding of evolutionary processes leading to speciation	3		4
AS91606	R/W	Demonstrate understanding of trends in human evolution	3		4
AS91607	R	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	3	3	

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** / **W** - contributes to 5 L2 **Writing**

**PATHWAYS/CAREER RELEVANCE:** Medicine, nursing, physiotherapy; radiology; sports coaching and admin; optometry; veterinarian; agriculture; horticulture; environmental management; forestry; parks and recreation; education.

**TIC: Ms Parker**

## BIOLOGY – ADVANCED (12BIA)

**LEVEL:** NCEA Level 2 Achievement Standards: **23 credits**  
**PREREQUISITES:** **16 credits** at Merit or Excellence from the Year 11 SCM course including the L1 Biology - Genetics Standard,  
**OR: 12 credits** at Merit or Excellence from the year 11 SCB course  
**AND**  
A high level of English comprehension, both written and spoken, is required, as students need to read widely in order to write discussions using technical vocabulary. If these prerequisites are not met, students must get written permission from the HOD Biology.

**LEARNING ACTIVITIES:** A variety of teaching methods will be used as appropriate to the content. Laboratory skills are essential in cell biology; problem solving in genetics; field studies in ecology. A variety of textbooks are used in conjunction with a workbook. Material will be presented in a variety of ways including PowerPoint presentations, videos and computer animations. Homework is a vital part of the course and students can expect to have regular homework set.

**COST / EQUIPMENT:** Approx. \$30 for the workbook and up to \$20 for the field trip.

### 12BIA eligible for Course Endorsement CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91153	N	Carry out a practical investigation in a biology context, with supervision	2	4	
AS91155	L	Demonstrate understanding of adaptation of plants or animals to their way of life	2	3	
AS91156	L	Demonstrate understanding of life processes at the cellular level	2		4
AS91157	L	Demonstrate understanding of genetic variation and change	2		4
AS91158	L	Investigate a pattern in an ecological community	2	4	
AS91159	L	Demonstrate understanding of gene expression	2		4

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12BIA Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>						
<b>Recommended credits</b>			23		16	

**PATHWAYS/CAREER RELEVANCE:** All fields of health science; medicine, sports science, animal studies, horticulture and forestry, biotechnology, ecology, wildlife management, agriculture and forensics.

**TIC: Ms Parker**

## ●BIOLOGY – ADVANCED

(13BIA)●

**LEVEL:** NCEA Level 3 Achievement Standards: **22 credits**

**PREREQUISITES:** 16 credits at Merit or Excellence from Level 2 Biology including two externals. Students must be fluent in English to be successful. Chemistry is a useful supporting course, particularly if student intends tertiary level Biological/Medical Sciences. If any of these prerequisites are not met, students must get written permission from the HOD Biology.

**LEARNING ACTIVITIES:** Use of text books and course workbooks; videos; PowerPoint presentations and class discussions. Trip to Auckland university for hands on experience in a lab. Trip to Auckland Zoo. Homework is a vital part of the course and students can expect to have regular homework set.

**COST / EQUIPMENT:** Approximately \$30 for the workbook and up to \$20 for the field trip.

### ●13BIA

eligible for Course Endorsement

CREDITS

Standard	R/W	Title	Level	Int	Ext
AS91602	R/W	Integrate biological knowledge to develop an informed response to a socio-scientific issue	3	3	
AS91603	R/W	Develop understanding of the responses of plants and animals to their external environment	3		5
AS91604	R	Demonstrate understanding of how an animal maintains a stable internal environment	3	3	
AS91605	R/W	Demonstrate understanding of evolutionary processes leading to speciation	3		4
AS91606	R/W	Demonstrate understanding of trends in human evolution	3		4
AS91607	R	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	3	3	

**Notes:** R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS / CAREER RELEVANCE:** Medicine, nursing, physiotherapy; radiology; sports coaching and admin; optometry; veterinarian; agriculture; horticulture; environmental management; forestry; parks and recreation; education.

TIC: Ms Parker

## CHEMISTRY

(12CHE)

**LEVEL:** NCEA Level 2 Achievement Standards: **20 credits**

**PREREQUISITES:** **Either** Achieved or higher in **both** Level 1 Chemistry Standards in 11SCP, based initially on results from school assessments during the year; **OR** Achieved or higher in **two** 11SCM External Exams (Chemistry and one other Science) **AND** 14 Literacy and 14 Numeracy credits at Level 1.

**LEARNING ACTIVITIES:** A range of learning experiences is designed to cater to different learning styles, including extensive practical work and modelling. There is a focus on problem-solving and analytical techniques. Homework is an essential part of the course and students can expect to have regular tasks set.

**COST / EQUIPMENT:** Approximately \$36 for Workbook and Practical book. Calculators will be required.

### 12CHE

eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91161	N	Carry out quantitative analysis	2	4	
AS91162		Carry out procedures to identify ions present in solution	2	3	
AS91164♦	L	Demonstrate understanding of bonding, structure and energy changes	2		5
AS91165	L	Demonstrate understanding of the properties of selected organic compounds	2		4
AS91166♦	L	Demonstrate understanding of chemical reactivity	2		4

**Notes:** ♦ prerequisite for L3 Chemistry  
L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12CHE Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits	20	20	20	4	20	20

**PATHWAYS / CAREER RELEVANCE:** Chemistry is an important pre-requisite for many Science / Technology / Engineering / Health Science / Biochemistry / Food Science / Marine Science / Microbiology / Pharmacology and Toxicology/ Neuroscience / Clothing and Textiles Science. Also useful in the following careers; forensic science; water treatment; teaching; medical testing; fertilizer manufacture; pollution monitoring; brewing; plastic manufacture etc.

TIC: Ms Mehta

## ●CHEMISTRY

(13CHE)●

**LEVEL:** NCEA Level 3 Achievement Standards: **21 credits**

**PREREQUISITES:** This course is designed for able Chemistry students who have a passion for Physical and/or Biological Sciences.

### Prerequisites:

All Level 2 Chemistry External Exams must have been attempted. Students must gain Achieved or higher in AS91164 'Bonding, Structure and Energy Changes' **AND** AS91166 'Chemical Reactivity'. Students must have a strong level of attainment at Level 2 Literacy.

**LEARNING ACTIVITIES:** A range of learning experiences is designed to cater to different learning styles, including extensive practical work and modelling. There is a focus on problem-solving and analytical



techniques. Homework is an essential part of the course and students can expect to have regular tasks set.

**COST / EQUIPMENT:** Approximately \$33 for Workbook and Practical book. Calculators will be required.

●13CHE			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91388		Demonstrate understanding of spectroscopic data in chemistry.	3	3				
AS91393	L	Demonstrate understanding of oxidation-reduction processes	3	3				
AS91391	L	Demonstrate understanding of structure and reactivity of organic compounds	3		5			
AS91392	L/N	Demonstrate understanding of equilibrium principles in aqueous systems	3		5			
AS91390	L	Demonstrate understanding of thermochemical principles and the properties of particles and substances	3		5			

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** Chemistry is an important pre-requisite for many Science / Technology / Engineering / Health Science / Biochemistry / Food Science / Marine Science / Microbiology / Pharmacology and Toxicology/ Neuroscience / Clothing and Textiles Science. Also useful in the following careers; forensic science; water treatment; teaching; medical testing; fertilizer manufacture; pollution monitoring; brewing; plastic manufacture etc.

**TIC: Ms Mehta**

## CHEMISTRY- ADVANCED (12CHA)

**LEVEL:** NCEA Level 2 Achievement Standards: **23 credits**

**PREREQUISITES** This course is designed for high achieving Science students who have a passion for Physical, and/or Biological/Environmental Sciences.

**Prerequisites:**

**Either** Merit or higher in **both** Level 1 Chemistry standards in 11SCP, based on results from school assessments during the year; **OR** Excellence in all three 11SCM External Exams and teacher recommendation (Level 2 Chemistry Advanced students are assumed to have studied 11SCP, therefore 11SCM students who successfully gain entry on the Advanced course will need to do additional private study to supplement their knowledge).

**And** 14 Literacy and 14 Numeracy credits at Level 1.

**LEARNING ACTIVITIES:** A range of learning experiences is designed to cater to different learning styles, including extensive practical work, modelling and enrichment of knowledge. There is a focus on problem-solving and analytical techniques. Homework is an essential part of the course and students can expect to have regular tasks set.

**COST / EQUIPMENT:** Approximately \$36 for Workbook and Practical book. Calculators will be required

12CHA			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91161	N	Carry out quantitative analysis	2	4				
AS91162		Carry out procedures to identify ions present in solution	2	3				
AS91167		Demonstrate understanding of oxidation-reduction	2	3				
AS91164♦	L	Demonstrate understanding of bonding, structure and energy changes	2		5			
AS91165	L	Demonstrate understanding of the properties of selected organic compounds	2		4			
AS91166♦	L	Demonstrate understanding of chemical reactivity	2		4			

**Notes:** ♦ prerequisite for L3 Chemistry  
L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12CHA Vocational Pathway	C & I	M & T	PI	S I	S & CS	CI
<b>Sector related credits</b>						
<b>Recommended credits</b>	23	23	23	4	23	23

**PATHWAYS/CAREER RELEVANCE:** Chemistry is an important pre-requisite for many Science / Technology / Engineering / Health Science / Biochemistry / Food Science / Marine Science / Microbiology / Pharmacology and Toxicology/ Neuroscience / Clothing and Textiles Science. Also useful in the following careers; forensic science; water treatment; teaching; medical testing; fertilizer manufacture; pollution monitoring; brewing; plastic manufacture etc.

**TIC: Ms Mehta**

## ●CHEMISTRY- ADVANCED (13CHA)●

**LEVEL:** NCEA Level 3 Achievement Standards: **21 credits**

**PREREQUISITES:** This course is designed for high achieving Chemistry students who have a passion for Physical and/or Biological Sciences.

**Prerequisites:**

**Either** 17 Credits at Excellence level in Level 2 Chemistry, based on results from school assessments during the year and external exams;

**OR** 17 credits at Merit or higher in Level 2 Chemistry, based on results from school assessments during the year and external exams, **with** a strong level of attainment at Level 2 Literacy.

**LEARNING ACTIVITIES:** A range of learning experiences is designed to cater to different learning styles, including extensive practical work, modelling and enrichment of knowledge. There is a focus on problem-solving and analytical techniques. Homework is an essential part of the course and students can expect to have regular tasks set.

**COST / EQUIPMENT:** Approximately \$33 for Workbook. Calculators will be required.

● 13CHA			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91388		Demonstrate understanding of spectroscopic data in chemistry.	3	3				
AS91393	L	Demonstrate understanding of oxidation-reduction processes	3	3				
AS91391	L	Demonstrate understanding of structure and reactivity of organic compounds	3		5			
AS91392	L/N	Demonstrate understanding of equilibrium principles in aqueous systems	3		5			
AS91390	L	Demonstrate understanding of thermochemical principles and the properties of particles and substances	3		5			

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** Chemistry is an important pre-requisite for many Science / Technology / Engineering / Health Science / Biochemistry / Food Science / Marine Science / Microbiology / Pharmacology and Toxicology/ Neuroscience / Clothing and Textiles Science. Also useful in the following careers; forensic science; water treatment; teaching; medical testing; fertilizer manufacture; pollution monitoring; brewing; plastic manufacture etc.

**TIC: Ms Mehta**

## EARTH AND SPACE SCIENCE (12ESS)

**LEVEL:** NCEA Level 2 Achievement Standards: **20 credits**

**PREREQUISITES:** 8 credits from a Level 1 Science course, including at least one externally assessed standard

**LEARNING ACTIVITIES:** This course is designed for students with an interest in Earth and Space Science. It will include field trips to Waitomo Caves and the Stardome Observatory. Assessments will allow students to demonstrate their understanding in a range of formats. Students will study aspects of geology, astronomy, planetary science, extreme earth events and how environments impact life, through a wide variety of activities, including research, group work, and modeling.

**COST / EQUIPMENT:** Approximately \$100 for Field Trips. Approximately \$30 for the Course Workbook

12ESS			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91190	L	Investigate how organisms survive in an extreme environment	2	4				
AS91189	L	Investigate geological processes in a New Zealand locality	2	4				
AS91187	L/N	Carry out a practical Earth and Space Science investigation	2	4				
AS91192*	L	Demonstrate understanding of stars and planetary systems	2		4			
AS91191*	L	Demonstrate understanding of extreme Earth events	2		4			

**Notes:** One or more of \* prerequisite for 13ESS  
L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12ESS Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits	20					

**PATHWAYS/CAREER RELEVANCE:** By the end of the year, successful students will have earned Level 2 credits which contribute to University Entrance, and will have the necessary background to progress to the Level 3 Earth and Space Science course. To continue on to 13ESS, students need to achieve at least one external exam, as well as the internal assessments. Success in Earth and Space Science can lead to further study and careers in geology, astronomy, planetary science, environmental science, climate change, environmental planning, geography, fisheries research, land management and others.

**TIC: Mr Eyre**

## ● EARTH AND SPACE SCIENCE (13ESS) ●

**LEVEL:** NCEA Level 3 Achievement Standards: **20 credits**

**PREREQUISITES:** 10 credits from a Level 2 Science course, including at least one externally assessed standard

**LEARNING ACTIVITIES:** This course is designed for students with an interest in Earth and Space Science. It will include field trips to geological sites in Auckland and the Stardome Observatory. Assessments will allow students to demonstrate their understanding in a range of formats. Students will study aspects of geology, astronomy, issues affecting Earth and society, ocean and atmospheric processes through a wide variety of activities, including research, group work, and modeling.

**COST / EQUIPMENT:** Approximately \$60 for Field Trips. Approximately \$30 for the Course Workbook.

● 13ESS			eligible for Course Endorsement			CREDITS		
Standard	L/N R/W	Title	Level	Int	Ext			
AS91412	L	Investigate the evidence related to dating geological event(s)	3	4				
AS91415	R	Investigate an aspect of astronomy	3	4				
AS91411	R/W	Investigate a socio-scientific issue in an Earth and Space Science context	3	4				
AS91413	R/W	Demonstrate understanding of processes in the ocean system	3		4			
AS91414	R/W	Demonstrate understanding of processes in the atmosphere system	3		4			

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**  
 R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS/CAREER RELEVANCE:**

By the end of the year, successful students will have obtained Level 3 credits which contribute to University Entrance. The credits will also count towards the Literacy requirements of University Entrance. Extra studies for the Earth and Space Science Scholarship examination may be offered to students who show an interest, and sufficient ability.

Success in Earth and Space Science can lead to further study and careers in geology, astronomy, planetary science, environmental science, climate change, environmental planning, geography, fisheries research, land management and others.

**TIC: Mr Eyre**

**PHYSICS (12PXM)**

**LEVEL:** NCEA Level 2 Achievement Standards: **19 credits**

**PREREQUISITES:** This course is designed for high achieving Science students who have a passion for Physical and/or Medical Sciences.

**Prerequisites:**

**Either** Achieved or higher in **both** 11SCP Physics Standards;  
**OR** Achieved or higher in **two** 11SCM External Standards (Mechanics and one other Science-based initially on results from school assessments during the year) **AND** in the L1 Physics Practical Internal Standard.

**In addition**, 14 Achieved or higher Achievement Standard credits in Level 1 Mathematics, and Level 1 Literacy.

**LEARNING ACTIVITIES:**

Through demonstrations and experiments, students experience physical events in the real world and are able to determine mathematical relationships. The entire course is supported by Power Point presentations and computer animations aid understanding by allowing complex concepts to be visualised. Course workbooks are used to improve problem solving skills and test the application of theory to real life contexts. Videos, research and class discussions further enhance the students understanding and enjoyment of the course. Students are also encouraged to partake in the ICAS Science competition, which costs \$8.50.

**COST / EQUIPMENT:**

Graph paper (1mm<sup>2</sup>) and scientific calculator essential. Workbook approximately \$25.

12PXM			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91168★	L/N	Carry out a practical investigation that leads to a non-linear mathematical relationship	2	4				
AS91171★	L/N	Demonstrate understanding of mechanics	2		6			
AS91172	L	Demonstrate understanding of atomic and nuclear physics	2	3				
AS91173★	L/N	Demonstrate understanding of electricity and electromagnetism	2		6			

**Notes:** ★ prerequisite for L3 Physics  
 L - contributes to 10 credits L1 **Literacy** /  
 N - contributes to 10 credits L1 **Numeracy**

12PXM Vocational Pathway	C & I	M & T	PI	S I	S & CS	CI
<b>Sector related credits</b>						
<b>Recommended credits</b>	19	19	12		19	19

**PATHWAYS/CAREER RELEVANCE:**

Important pre-requisite for most Science, Engineering, Technology, Medicine, Electrical, Aviation, Applied Geology, Energy Management, Oceanography, etc.

**TIC: Mr Reddy**

**●PHYSICS (13PXM)●**

**LEVEL:** NCEA Level 3 Achievement Standards: **20 credits**

**PREREQUISITES:** This course is designed for able Physics students who have a passion for Physical and/or Medical Sciences.

**Prerequisites:**

**Achieved** or higher in the L2 Physics **Mechanics and Electricity** Standards (based initially on results from school assessments during the year) **AND** in the in L2 Practical Internal standard.

**In addition**, 12 Achieved or higher Achievement Standard credits in Level 2 Mathematics and a high level of attainment with Level 2 Literacy.

**LEARNING ACTIVITIES:**

The entire course is supported by Power Point presentations and computer animations aid understanding by allowing complex concepts to be visualised. Through demonstrations and experiments students experience physical events in the real world and are able to determine mathematical relationships. Course workbooks are used to improve problem solving skills and test the application of theory to real life contexts. Videos, research and class discussions further enhance the students understanding and enjoyment of the course. The course builds upon the L2 Physics Advanced course and expands the students' knowledge of physics and its applications. It is recommended that students also study Level 3 Mathematics with Calculus. Students are also encouraged to partake in the ICAS Science competition, which costs \$8.50.

**COST / EQUIPMENT:**

Graph paper (1mm<sup>2</sup>) and scientific calculator essential. Workbook approximately \$25. Rainbow's End Trip approximately \$45.



●13PXM

eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91521	L	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	3	4	
AS91523	L	Demonstrate understanding of waves systems	3		4
AS91524	L	Demonstrate understanding of mechanical systems	3		6
AS91526	L	Demonstrate understanding of electrical systems	3		6

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:**

Physics is an important pre-requisite for most Science, Engineering, Technology, Medical, Electrical, and Flying, Geology, Energy Management, Oceanography qualifications at tertiary level.

TIC: Mr Reddy

**PHYSICS – ADVANCED**

**(12PXA)**

**LEVEL:** Year 12 NCEA Level 2 Achievement Standards: **23 credits**

**PREREQUISITES:** This course is designed for high achieving Science students who have a passion for Physical and/or Medical Sciences.

**Prerequisites:**

**Either** Merit or higher in **both** 11SCP Physics Standards **OR** Excellence in **two** 11SCM External Standards (Mechanics and one other Science- based initially on results from school assessments during the year) **AND** Merit or higher in the L1 Physics Practical Internal Standard.

**In addition**, 14 Merit or higher Achievement Standard credits in Level 1 Mathematics, and Level 1 Literacy.

**LEARNING ACTIVITIES:** Through demonstrations and experiments, students experience physical events in the real world and are able to determine mathematical relationships. The entire course is supported by Power Point presentations and computer animations aid understanding by allowing complex concepts to be visualised. Course workbooks are used to improve problem solving skills and test the application of theory to real life contexts. Videos, research and class discussions further enhance the students understanding and enjoyment of the course. Students are also encouraged to partake in the ICAS Science competition, which costs \$8.50.

**COST / EQUIPMENT:** Graph paper (1mm<sup>2</sup>) and scientific calculator essential. Workbook approximately \$25.

12PXA

eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91168★	L/N	Carry out a practical investigation that leads to a non-linear mathematical relationship	2	4	
AS91170	L/N	Demonstrate understanding of waves	2		4
AS91171★	L/N	Demonstrate understanding of mechanics	2		6
AS91172	L	Demonstrate understanding of atomic and nuclear physics	2	3	
AS91173★	L/N	Demonstrate understanding of electricity and electromagnetism	2		6

Notes: ★ prerequisite for L3 Physics  
L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12PXA Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits	23	23	16		23	23

**PATHWAYS/CAREER RELEVANCE:**

Important pre-requisite for most Science, Engineering, Technology, Medicine, Electrical, Flying, Applied Geology, Energy Management, Oceanography.

TIC: Mr Reddy

●PHYSICS – ADVANCED

**(13PXA)●**

**LEVEL:** Year 13 NCEA Level 3 Achievement Standards: **23 credits**

**PREREQUISITES:** This course is designed for high achieving Physics students who have a passion for Physical and/or Medical Sciences.

**Prerequisites:**

**Merit** or higher in the L2 Physics **Mechanics** and **Electricity** Standards (based initially on results from school assessments during the year) and in the **L2 Practical** and **Atomic and Nuclear** Internal Standards.

**In addition**, 12 Merit or higher Achievement Standard credits in Level 2 Mathematics and a high level of attainment with Level 2 Literacy.

**LEARNING ACTIVITIES:** The entire course is supported by Power Point presentations and computer animations aid understanding by allowing complex concepts to be visualised. Through demonstrations and experiments students experience physical events in the real world and are able to determine mathematical relationships. Course workbooks are used to improve problem solving skills and test the application of theory to real life contexts. Videos, research and class discussions further enhance the students understanding and enjoyment of the course. The course builds upon the L2 Physics Advanced course and expands the students' knowledge of physics and its applications. It is recommended that students also study Level 3 Mathematics with Calculus. Students are also encouraged to partake in the ICAS Science competition, which costs \$8.50.

**COST / EQUIPMENT:** Graph paper (1mm<sup>2</sup>) and scientific calculator essential. Workbook approximately \$25. Rainbow's End Trip approximately \$45.

●13PXA

eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
AS91521	L	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	3	4	
AS91523	L	Demonstrate understanding of waves systems	3		4
AS91524	L	Demonstrate understanding of mechanical systems	3		6
AS91525	L	Demonstrate understanding of modern Physics	3	3	
AS91526	L	Demonstrate understanding of electrical systems	3		6

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** Physics is an important pre-requisite for most Science, Engineering, Technology, Medical, Electrical, Aviation, Geology, Energy Management, Oceanography.

TIC: Mr Reddy

## SOCIAL SCIENCES & BUSINESS FACULTY SST

**FACULTY LEADER: Mrs Marshall**

Social Studies →	Social Studies ↘	Soc Studies L1 →↘	History L1 →↘	History L2 →	History L3
	Geography L1 ↗	Geography L1 →↗	Classical St L2 →	Classical Studies L3	
Business Studies →	BusinessStudies ↗↘	Economics L1 →↗↘	Economics L2 →	Economics L3	
		Accounting L1 →↗↘	Business L2 →	Business L3	
			Accounting L2 →↗↘	Accounting L3	
			Commerce L2 ↗		

### CLASSICAL STUDIES (12CLA)

**LEVEL:** NCEA Level 2 Achievement Standards: **24 credits**

**PREREQUISITES:** Level 1 Literacy. No prior study required although it is helpful to prepare yourself by gaining some knowledge of Greek Mythology.

**LEARNING ACTIVITIES:** The study of the civilizations of ancient Greece. We explore Greek ideas and values through the study of myths and legends (in particular the Odyssey), art and architecture of ancient Athens – their sculpture and temples - history including the Persian Wars, social life, including the development of the world's first democracy, philosophy, religion and drama. We look at the influence of the classical world on our lives today through the study of classical architectural features on buildings in Auckland and the study of film. Classical Studies develops the skills of critical thinking, analysis (especially of visual material), research, processing and communicating information..

**COST / EQUIPMENT:** \$25 for three workbooks. A small fee for a field trip to downtown Auckland and the Museum.

12CLA

eligible for Course Endorsement

CREDITS

Standard	R/W	Title	Level	Int	Ext
AS91200	R/W	Examine ideas and values of the classical world	2		4
AS91201	R/W	Examine the significance of features of work(s) of art in the classical world	2		4
AS91202	R	Examine a significant event in the classical world	2	4	
AS91203	R/W	Demonstrate understanding of socio-political life in the classical world	2		6
AS91204	R	Demonstrate understanding of the influence of aspects of the classical world on other cultures	2	6	

Notes: R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

12CLA Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						24
Recommended credits				4		

**PATHWAYS/CAREER RELEVANCE:** Classics will enrich students' knowledge and is useful for a wide range of careers. Careers related to the Creative Industries, Graphic Design, Industrial Design, Film Industry, eg special effects, and Animation. In addition architecture, medicine, journalism, law, archeology, art history, broadcasting, librarian, education, tourism and public relations. Employers value highly the transferable skills that Classical Studies teaches, such as shaping a logical argument, resolving problems creatively, and writing, thinking and communicating clearly.

TIC: Mrs Marshall

### ●CLASSICAL STUDIES (13CLA)●

**LEVEL:** NCEA Level 3 Achievement Standards: **26 credits**

**PREREQUISITES:** 12 credits in Level 2 English and/or 14 credits in L2 Classics  
No prior study in Classical Studies is required although it is helpful to prepare yourself by gaining some knowledge of Greek Mythology.

**LEARNING ACTIVITIES:** The study of the civilisations of ancient Greece. We explore Greek ideas and values through the study of mythology, art, architecture, history (the life of Alexander the Great), social life,

philosophy, religion and drama (two comic plays by Aristophanes written in 5<sup>th</sup> C. BC which provide a satirical look at life in Athens). For each of these aspects we look at the influence of the classical world on our lives today and the philosophical reasons for the lasting impact of Greek culture. Additionally, we explore the influence of Greek values on Renaissance art.

**COST / EQUIPMENT:** \$25 for three workbooks. Field trip costs related to research.

●13CLA			eligible for Course Endorsement		CREDITS	
Standard	R/W	Title	Level	Int	Ext	
AS91394	R/W	Analyse ideas and values of the classical world	3		4	
AS91395	R/W	Analyse the significance of features of works of art in the classical world	3		4	
AS91396	R/W	Analyse the impact of a significant historical figure on the classical world	3		6	
AS91397	R	Demonstrate understanding of a significant ideology in the classical world	3	6		
AS91398	R	Demonstrate understanding of the relationship between aspects of the classical world and other cultures.	3	6		

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS / CAREER RELEVANCE:** Classics will enrich students' knowledge and is useful for a wide range of careers. Careers related to the Creative Industries, Graphic Design, Industrial Design, Film Industry, eg special effects, and Animation. In addition architecture, medicine, journalism, law, archeology, art history, architecture, broadcasting, librarian, education, tourism and public relations. Employers value highly the transferable skills that Classical Studies teaches, such as shaping a logical argument, resolving problems creatively, and writing, thinking and communicating clearly.

**TIC: Mrs Marshall**

## GEOGRAPHY (12GEO)

**LEVEL:** NCEA Level 2 Achievement Standards: **19 credits**

**PREREQUISITES:** 12 credits in ONE of the following subjects: 11GEO, 11HIS, 11ECO, 11ENC, 11ENF or HOD approval.

**LEARNING ACTIVITIES:** The course is based around two external standards: **Development issues** (Tanzania), and **Geographic Skills** (using maps, graphs, photos etc). There are three internal standards: the **Research** standard is based around collection of data and observations at Mt Ruapehu on a 3 day field trip. The **Current Geographic Issue** standard looks at Auckland's Housing Crisis. The **Urban Pattern** standard looks at the pattern of murders in the city of Chicago.

**COST / EQUIPMENT:** \$21 for compulsory Skills workbook. Research Field trip – Mt Ruapehu (3 days) approx. \$215.

12GEO			eligible for Course Endorsement		CREDITS	
Standard	L/N R/W	Title	Level	Int	Ext	
AS91242	L/RW	Demonstrate geographic understanding of differences in development.	2		4	
AS91243	L	Apply concepts and geographic skills to demonstrate understanding of a given environment.	2		4	
AS91244	L/N	Carry out geographic research with guidance.	2	5		
AS91241	L	Demonstrate geographic understanding of an urban pattern	2	3		
AS91245	L	Explain aspects of a contemporary New Zealand geographic issue	2	3		

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
 N - contributes to 10 credits L1 **Numeracy**  
 R - contributes to 5 L2 **Reading** credits for **UE** /  
 W - contributes to 5 L2 **Writing** credits for **UE**

12GEO Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits	7	7	22	3	12	

**PATHWAYS / CAREER RELEVANCE:** In addition to the content and case studies, students learn a range of skills such as gathering, presenting, analysing and interpreting data, together with practical techniques. Such abilities are in demand for a wide range of occupations, including environmental officer, water and coastal management officers, traffic planner, ecologist, pollution control officer, park ranger, journalist, business manager, weather forecaster, tourist officer, town planner among many others.

**TIC: Mr Welsh**

## ●GEOGRAPHY (13GEO)●

**LEVEL:** NCEA Level 3 Achievement Standards: **23 credits**

**PREREQUISITES:** 12 credits in ONE of the following subjects: 12GEO, 12MED, 12ENG, 12ENC, 12HIS, 12CLA, 12ECO or HOD approval.

**LEARNING ACTIVITIES:** The external component or the course is based around three standards. A study of **Natural Processes** at the Muriwai coastal environment, a study of **Tourism Development** in Rotorua and **Geographic Skills** (using maps, graphs, photos etc). Internal assessment will focus on the **Research** standard using the Muriwai environment, planning and decision-making in the analysis of a **Significant event** such as the Rhythm & Vines or Polyfest festivals and a **Global Issue** looking at the Tourism Industry worldwide.

**COST / EQUIPMENT:** \$21 compulsory Skills workbook. Field trips: Rotorua (2 days - optional) approx. \$225, Muriwai (1 day) \$18.

●13GEO			eligible for Course Endorsement		CREDITS	
Standard	L/N	Title	Level	Int	Ext	

	R/W			
AS91426	L/RW	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment.	3	4
AS91427	L/RW	Demonstrate understanding of how a cultural process shapes geographic understanding.	3	4
AS91429	L/RW	Select and apply geographic concepts and skills to demonstrate understanding of a given environments.	3	4
AS91428	L/R	Analyse a significant contemporary event from a geographic perspective	3	3
AS91430	L/N	Conduct geographic research with consultation	3	5
AS91432	L	Analyse aspects of a geographic topic at a global scale	3	3

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**  
R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS/CAREER RELEVANCE:** In addition to the content and case studies, students learn a range of skills such as gathering, presenting, analysing and interpreting data together with practical techniques. Such abilities are in demand for a wide range of occupations, including environmental officer, water and coastal management officers, traffic planner, ecologist, pollution control officer, park ranger, journalist, business manager, weather forecaster, tourist officer, town planner among many others.

**TIC: Mr Welsh**

## HISTORY (12HIS)

**LEVEL:** NCEA Level 2 Achievement Standards: **23 credits**

**PREREQUISITES:** Level 1 Literacy

**LEARNING ACTIVITIES:** Level Two History focuses on the conflict of ideas and beliefs in the twentieth century. This course is made up of three topics. The first topic is History and Popular Culture. In this topic students look at the changes in popular culture from 1920 onwards. This will cover music, film / movies, fashion, attitudes, controversial events etc. The second topic is the Russian Revolution and the introduction of Communism in Russia in 1917. The third topic is Conspiracies, Assassinations and Spies which is set during the Cold War and includes events such as the Berlin Blockade, the Cuban Missile Crisis, the Korean and Vietnam wars. Also included is a history of the CIA and some of the actions they took during the Cold War such as the execution of Che Guevara and overthrow of several governments. The final topic is Crisis which involves looking at case studies of different crises including 9/11.

All topics have the flexibility for student choice to be included. Historians are like detectives. We arrive on the scene after the event has taken place and have to look for evidence. Skills developed in History include research, processing and analysing information from a range of sources including old photos, documents, video, cartoons, and communicating information through arguing your case using the evidence you have collated.

**COST / EQUIPMENT:** A small fee for each of the field trips.

12HIS			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91229	R	Carry out a planned inquiry of an historical event, or place, of significance to New Zealanders	2	4				
AS91230	R	Examine an historical event, or places of significance to New Zealanders	2	5				
AS91231	R/W	Examine sources of an historical event of significance to New Zealanders	2		4			
AS91232	R	Interpret different perspectives of people in an historical event of significance to New Zealanders	2	5				
AS91233	R/W	Examine causes and consequences of a significant historical event	2		5			

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** /  
W - contributes to 5 L2 **Writing** credits for **UE**

12HIS Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>						
<b>Recommended credits</b>				9		23

**PATHWAYS/CAREER RELEVANCE:** History develops the skills of research, analysis, communication and report writing useful in a wide variety of careers, which includes law, journalism, tourism, communications and medicine.

**TIC: Ms Wilson**

## ● HISTORY (13HIS) ●

**LEVEL:** NCEA Level 3 Achievement Standards: **25 credits**

**PREREQUISITES:** Level 1 Literacy

**LEARNING ACTIVITIES:** This course is made up of three topics. The first topic is Five Wives too Many which covers England during Tudor times including Henry VIII and his wives, the Spanish Armada, plots against the monarchs, religious reforms and society. The second topic delves in to the experiences new arrivals to New Zealand had in the 19<sup>th</sup> Century. Historian James Belich states perhaps flippantly that they were seeking Seals, Sex and Souls. Also covered are issues of cultural interaction, war, the development of the kiwi bloke and women's rights. The final topic for the year is Gangsters, Grog and Girls. The setting for this is the USA between WWI and WWII. This will include the prohibition era, advances in technology, women gaining the vote and also the formation of the Ku Klux Klan, the Wall Street Crash and Great Depression. Skills developed in History include research, processing and analysing information from a range of sources including old

photos, documents, video, cartoons, and communicating information through arguing your case using the evidence you have collated. Field trips for research purposes are part of the course.

**COST / EQUIPMENT:** A small fee for each of the field trips.

●13HIS

eligible for Course Endorsement

CREDITS

Standard	R/W	Title	Level	Int	Ext
AS91434	R	Research an historical event or place of significance to New Zealand , using primary and secondary sources	3	5	
AS91435	R	Analyse an historical event, or place of significance to New Zealanders	3	5	
AS91436	R/W	Analyse evidence relating to an historical event of significance to New Zealanders	3		4
AS91437	R	Analyse different perspectives of a contested event of significance to New Zealanders	3	5	
AS91438	R/W	Analyse the causes and consequences of a significant historical event	3		6

**Notes:** R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS / CAREER RELEVANCE:**

History develops skills such as research, analysis and writing that are useful for most careers including law, advertising, journalism, medicine, publicity and engineering. It also provides a broad general education and is now a requirement for entry into some university courses.

TIC: Ms Wilson

## TOURISM

(12TOU)

**LEVEL:** NCEA Level 2 Unit Standards: **24 credits**

**PREREQUISITES:** Entry must be approved by a Tourism teacher. Commitment to a written subject is required.

**LEARNING ACTIVITIES:** Tourism is New Zealand's most valuable industry. It contributes significantly to our national economy and provides an increasing range of job opportunities.

This is an introductory course designed for students who would like to study or work in the tourism industry once they have completed their secondary education. It covers a range of knowledge and skills including – Tourism related geography and history, tourist attractions activities and events, effects on people and places and work roles.

Students will engage in a range of learning activities including computing; communication activities; development of tourism brochures, research and role-playing.

**COST / EQUIPMENT:** \$50 compulsory fee as a contribution towards the cost of workbooks, assessments and online e-books; \$35 for a day trip to SkyTower and Auckland Adventure Jet.

12TOU

not eligible for Course Endorsement

CREDITS

Standard	L/N	Title	Level	Int	Ext
US24726		Social and cultural impacts	2	3	
US24727		Impacts on physical environment	2	3	
US24729		World destinations	2	4	
US24730		Business of tourism	2	4	
US24731		Destination NZ	2	4	
US24732		Tourism Needs	2	3	
US24733		Work roles	2	3	

**Notes:** L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12TOU Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>				24		
<b>Recommended credits</b>						

**PATHWAYS / CAREER RELEVANCE:** Passing the units in this course and those in the Level 3 Tourism course can result in the National Certificate in Tourism and Travel (Introductory Skills) Level 2. They can also lead to tertiary study in Tourism.

Careers: Tourism Management, Hotels and Hospitality, Catering, Tour Guide, Cabin Crew, Aviation, Outdoor Recreation and Adventure Tourism, Travel Agent, Tourist Information Officer, Public Relations, Marketing, Retail, Human Resources among many others.

*\*\*Please note the National Certificate and which standards it contains are currently under review. There could be a change of standards prior to the start of the 2017 course \*\**

TIC: Ms Roach

## TOURISM

(13TOU)

**LEVEL:** NCEA Level 3 Unit Standards: **24 credits**

**PREREQUISITES:** Entry must be approved by a Tourism teacher. Commitment to a written subject is required.

**LEARNING ACTIVITIES:** Tourism is New Zealand's most valuable industry. It contributes significantly to our national economy and provides an increasing range of job opportunities.

This is an introductory course designed for students who would like to study or work in the tourism industry once they have completed their secondary education. It covers a range of knowledge and skills including – tourism related geography and history, promoting a tourist destination, researching Pacific Island and Australian tourism, and economic impacts.

Students will engage in a range of learning activities including computing; communication



activities; development of tourism brochures, research and role-playing.

**COST / EQUIPMENT:** \$50 compulsory fee as a contribution towards the cost of workbooks, assessments and online e-books; \$35 for a daytrip to Rainbow's End, possibility of an optional two day trip to Rotorua \$225.

13TOU			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US 3727		Destination South Pacific	3	8				
US18211		Destination Australia	3	8				
US24725		Economic impacts of tourism	3	4				
US24733		Promote Destination Rotorua	3	4				
US28126		World Geography relevant to the travel industry (subject to student criteria)	3	5				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** Passing the units in this course and those in the Level 2 Tourism course can result in the National Certificate in Tourism and Travel (Introductory Skills) Level 2. They can also lead to tertiary study in Tourism.

Careers: Tourism Management, Hotels and Hospitality, Catering, Tour Guide, Cabin Crew, Aviation, Outdoor Recreation and Adventure Tourism, Travel Agent, Tourist Information Officer, Public Relations, Marketing, Retail, Human Resources among many others.

*\*\*Please note the National Certificate and which standards it contains are currently under review. There could be a change of standards prior to the start of the 2017 course \*\**

TIC: Ms Roach

## ACCOUNTING (12ACC)

**LEVEL:** NCEA Level 2 Achievement Standards: **20 credits**

**PREREQUISITES:** 10 Level 1 NCEA Accounting credits.

**LEARNING ACTIVITIES:** Accounting involves the recording of financial information, the presentation of financial reports and the analysis of financial information. It is an in depth study of basic Accounting principles, processes and systems.

**COST / EQUIPMENT:** Students provide their own stationery. Specialised accounting paper will be required. Student workbooks about \$45.

12ACC			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91174*	L	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems	2		4			
AS91175	N	Demonstrate understanding of accounting processing using accounting software	2	4				
AS91176*	N	Prepare financial information for an entity that operates accounting subsystems	2		5			
AS91386	L/N	Demonstrate understanding of an inventory subsystem for an entry	2	3				
AS91481	L	Demonstrate understanding of a contemporary accounting issue for decision making	2	4				

Notes: \* prerequisites for Level 3 Accounting

L - contributes to 10 credits L1 Literacy /

N - contributes to 10 credits L1 Numeracy

12ACC Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits				8		19

**PATHWAYS/CAREER RELEVANCE:** This course provides a foundation for further study at tertiary institutions and prepares students to work as an Accountant, Auditor, Financial Advisor, Finance Manager, Policy Analyst, Financial Dealer and Statistician.

TIC: Mrs Whalen

## ●ACCOUNTING (13ACC)●

**LEVEL:** NCEA Level 3 Achievement Standards: **22 credits**

**PREREQUISITES:** 9 Level 2 Accounting credits

**LEARNING ACTIVITIES:** Level 3 Accounting provides an understanding of accounting concepts, processes, reporting and decision making systems for companies and partnerships.

**COST / EQUIPMENT:** Students provide their own stationery. Specialised accounting paper will be required. Student workbooks about \$45.

13ACC			eligible for Course Endorsement			CREDITS		
Standard	L/N R/W	Title	Level	Int	Ext			
AS91405	N	Demonstrate understanding of accounting for partnerships	3	4				
AS91406	N	Demonstrate understanding of company financial statement preparation	3		5			
AS91407	R/W	Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity	3	5				
AS91408	L/N	Demonstrate understanding of management accounting to inform decision-making	3		4			
AS91409	L/N	Demonstrate understanding of a job cost subsystem for an entity	3	4				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

R - contributes to 5 L2 **Reading** credits for **UE / W** - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS/CAREER RELEVANCE:** This course provides a foundation for further study at tertiary institutions and prepares students to work as an Accountant, Auditor, Financial Advisor, Finance Manager, Policy Analyst, Financial Dealer and Statistician.

**TIC: Mrs Whalen**

**BUSINESS STUDIES (12BUS)**

**LEVEL:** NCEA Level 2 Achievement Standards: **20 credits**

**PREREQUISITES:** This course is for students who intend to gain an understanding and explore how and why large businesses in New Zealand make operational decisions in response to internal and external factors. This includes experiential learning of carrying out a business activity in groups. Students must have achieved a minimum of 50 Level 1 credits including their Level 1 literacy (10) and numeracy (10) credits. Students who have studied 10BUS and achieved the six Level 1 Business Studies credits are encouraged to take this course.

**LEARNING ACTIVITIES:** This course allows students to develop their understanding of business theory and practices in a range of relevant contexts. Case studies of real NZ large businesses are used as well as a field trip to Rainbow's End which allows students to meet with employees and gain insight to its operations. They will also run their own student business activities with a community focus.

**COST / EQUIPMENT:** Students provide their own stationery. The fieldwork may involve trips out of school for training and development purposes and this involves minor transport costs. Student resources/ workbook and business capital investment costs are \$50.

12BUS			eligible for Course Endorsement			CREDITS			
Standard	L/N	Title	Level	Int	Ext				
AS90844	L	Demonstrate understanding of how a large business responds to external factors	2		4				
AS90845	L	Apply business knowledge to a critical problem(s) in a given large business context	2		4				
AS90846	L/N	Conduct market research for a new or existing product	2	3					
AS90848	L	Carry out, review and refine a business activity within a community context with guidance	2	9					
<b>Notes:</b> L - contributes to 10 credits L1 <b>Literacy</b> /			12BUS Vocational Pathway	C & I	M & T	PI	S I	S & CS	CI
N - contributes to 10 credits L1 <b>Numeracy</b>			Sector related credits						
			Recommended credits			11	7		20

**PATHWAYS/CAREER RELEVANCE:** The course prepares students for further tertiary study in Business, Marketing and/ Management or entering the workforce as an employee or becoming a self-employed entrepreneur.

**TIC: Mrs Prasad**

**●BUSINESS STUDIES (13BUS)●**

**LEVEL:** NCEA Level 3 Achievement Standards: **17 credits**

**PREREQUISITES:** 14 Level 2 English credits OR 14 Level 2 Business credits are required as well as the ability to be innovative, creative and a problem-solver. Students who have studied 12BUS are encouraged to continue with 13BUS.

**LEARNING ACTIVITIES:** This course allows students to analyse how and why New Zealand businesses make operational and strategic decisions to operate in the national and global market. It allows them to plan and conduct investigations of real NZ businesses and their practices relating to human resource management, marketing planning and exporting potential.

**COST / EQUIPMENT:** Students provide their own stationery. The fieldwork may involve trips out of school for training and development purposes and this involves minor transport costs. Expected student workbook/assessment book costs \$30.

●13BUS			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91379	R/W	Demonstrate understanding of how internal factors interact within a business that operates in a global context	3		4			
AS91380	R/W	Demonstrate understanding of strategic response to external factors by a business that operates in a global context	3		4			
AS91382	R	Develop a marketing plan for a new or existing product	3	6				
AS91383	R	Analyse a human resource issue affecting businesses	3	3				

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE / W** - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS/CAREER RELEVANCE:** The course prepares students for further tertiary study in Business, Marketing and/or Management or entering the workforce as an employee or becoming a self-employed entrepreneur.

**TIC: Mrs Prasad**

**ECONOMICS (12ECO)**

**LEVEL:** NCEA Level 2 Achievement Standards: **18 credits**

**PREREQUISITES:** 14 Level 1 English credits OR 15 Level 1 Economics credits.

**LEARNING ACTIVITIES:** In Economics skills are developed that help in understanding Economic decisions made in the political world, and the effect of these decisions on New Zealanders and their standards of living. The course covers an introduction on the issues of employment, growth, inflation and international trade.

**COST / EQUIPMENT:** Students are to provide their own stationery. Workbook is about \$52 which includes an E-Learn

license fee for the year and a revision workbook. Possible field trip for AS91223.

12ECO			eligible for Course Endorsement			CREDITS		
Standard	L/N R/W	Title	Level	Int	Ext			
AS91222	W	Analyse inflation using economic concepts and models	2		4			
AS91223	W	Analyse international trade using economic concepts and models	2		4			
AS91225	L	Analyse unemployment using economic concepts and models	2	4				
AS91227*	R	Analyse how government policy and contemporary economic issues interact	2	6				

Notes: \* prerequisite for Level 3 Economics

L - contributes to 10 credits L1 Literacy /

N - contributes to 10 credits L1 Numeracy

R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

12ECO Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits			4	14	6	18

**PATHWAYS/CAREER RELEVANCE:** This course provides a foundation for further study at tertiary institutions and prepares students to work as an Economist, Statistician, Policy Analyst, and Elected Government Representative. It also is a good one year course providing general educational skills for everyday living.

TIC: Mr Reddy

## ●ECONOMICS (13ECO)●

**LEVEL:** NCEA Level 3 Achievement Standards: **20 credits**

**PREREQUISITES:** 16 Level 2 Economics credits or by approval of HOD (if no prior study of Economics at level 1 or 2)

**LEARNING ACTIVITIES:** Level 3 Economics provides an understanding of how decisions are made about the use of scarce resources and an understanding of economic activity that enables participation in that economy. The course develops skills in thinking, investigation, analysis, interpretation and decision making. It is divided into three sections: Resource allocation via the market system, allocation via the public sector, and aggregate economic activity and policy.

**COST / EQUIPMENT:** Students are to provide their own stationery. Student Workbook is about \$54 which includes an E-Learn license fee for the year and a revision workbook.

●13ECO			eligible for Course Endorsement			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91399	R/W	Demonstrate understanding of the efficiency of market equilibrium	3		4			
AS91401	R	Demonstrate understanding of micro-economic concepts	3	5				
AS91402	R	Demonstrate understanding of government interventions to correct market failures	3	5				
AS91403	R/W	Demonstrate understanding of macro-economic influences on the New Zealand economy	3		6			

Notes: \* prerequisite for Level 3 Economics

R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** This course provides a foundation for further study at tertiary institutions and prepares students to work as an Economist, Statistician, Policy Analyst, and Elected Government Representative. It also provides general educational skills for everyday living.

TIC: Mr Reddy

## COMMERCE (12COM)

**LEVEL:** NCEA Level 1 Achievement Standards: **20 credits**

**PREREQUISITES:** Two years secondary English.

**LEARNING ACTIVITIES:** Level 2 Commerce provides an understanding of how decisions are made about the use of scarce resources and an understanding of economic activity that enables participation in that economy. Also they will be able to process and prepare financial transactions for small entity The course develops skills in thinking, investigation, analysis, interpretation and decision making.

**COST / EQUIPMENT:** Students are to provide their own stationery. Student Workbook \$50.

12COM			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS90983	L	Demonstrate understanding of consumer choices, using scarcity and/or demand	1		4			
AS90985	L	Demonstrate understanding of producer choice using supply	1		3			
AS91175	N	Demonstrate understanding of accounting processing using accounting software	2	4				
AS91176*	N	Prepare financial information for an entity that operates accounting subsystems	2		5			
AS91481	L	Demonstrate understanding of a contemporary accounting issue for decision making	1	4				

Notes: \* prerequisites for Level 3 Accounting

L - contributes to 10 credits L1 Literacy /

N - contributes to 10 credits L1 Numeracy

12COM Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						
Recommended credits				4		4

**PATHWAYS/CAREER RELEVANCE:** This course is aimed at those students who have not studied Economics and Accounting at Year11, but perhaps would like to take a commerce course at year 13.



**STUDENT SERVICES FACULTY****STS****FACULTY LEADER: Mrs Kevany**

SPC	→	SPC	→	SPC	L1 U Std	→	SPC	L1/2 U Std	Customer Service s	L2/3 U Std	<input checked="" type="checkbox"/>	Gateway s	L1-3 U Std
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**CUSTOMER SERVICE AWARD (12CSA)**

**LEVEL:** NCEA Level 2 Unit Standards: **25 Level 2 credits, 2 Level 3 credits**

**PREREQUISITES:** Students must be able to study at NCEA Level 2 and must be approved by the Customer Service Award teacher and the Gateway Co-ordinator. Students will also be interviewed by a Service IQ assessor.

**LEARNING ACTIVITIES:** This is a full year course which is part of the Gateway programme and is designed to provide students with essential work skills. Students will gain knowledge and practical experience in customer service. Assessment is completed across 10 days in a work place. Successful students will achieve the Customer Service Award and the Vocational pathway Awards in the Service Sector. Career planning and essential job searching skills will also be covered.

**COST / EQUIPMENT:** \$30.00 Compulsory course workbook.

12CSA			not eligible for Course Endorsement			CREDITS			
Standard	L/N	Title	Level	Int	Ext				
US57		Provide customer service	2	2					
US62		Maintain personal presentation and a positive attitude in a workplace involving customer contact	2	3					
US376		Employ customer service techniques to accommodate customer behavioural styles in a workplace	3	2					
US11938		Assist customers to select goods and/or services face to face	2	3					
US11941		Establish and maintain positive customer service interactions	2	2					
US11968		Demonstrate and integrate knowledge of legislation applicable to sale of goods and service	2	4					
US11971		Use safe practices in retail or distribution environment	2	3					
US11974		Participate in a team in a retail or distribution environment	2	4					
US19583		Demonstrate knowledge of products in a retail or distribution environment	2	4					
<b>Notes:</b> L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy			12CSA Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
			<b>Sector related credits</b>				25		
			<b>Recommended credits</b>			8		8	8

**PATHWAYS / CAREER RELEVANCE:** Students are work-ready and skills are relevant to all jobs. Credits can be used towards the National Certificate in Retail (Level 2) and the Retail Apprenticeship programme.

**SPECIFIC PREPARATION for EMPLOYMENT & CITIZENSHIP (12SPC)**

**LEVEL:** NCEA Level 1 and 2 Unit Standards: optional up to **14 credits**

**PREREQUISITES:** None

**LEARNING ACTIVITIES:** Students enrolled in this course are required to complete 12 tasks and present an organised portfolio with evidence of tasks and Key Competency development. This is a two year programme and students have the option of working through the course book and attaining credits.

**METHODS:** Self-directed Learning under the guidance of a tutor, with all records kept in the course book and portfolio. On completion all work will be verified externally.

**COST / EQUIPMENT:** N/A

12SPC			not eligible for Course Endorsement			CREDITS			
Standard	L/N	Title	Level	Int	Ext				
US7118		Manage own learning programme	2	3					
US7117		Produce a plan to enhance own learning	2	2					
US9677		Participate in a group/team which has an objective	2	3					
US7124		Demonstrate knowledge of one-one negotiation	2	2					
US12354		Describe legal implications of living in rented accommodation	2	4					
US4252		Produce a targeted resume	2	2					
<b>Notes:</b> L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy			12SPC Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
			<b>Sector related credits</b>				3		
			<b>Recommended credits</b>			7		9	14

**PATHWAYS / CAREER RELEVANCE:** Students gain improved social confidence, motivation and self-esteem in setting targets and achieving them. The SPEC courses target Key Competencies necessary for the workforce – i.e. Managing Self, Thinking, Relating to Others, Using Language Symbols

and Texts, Participating and Contributing. The award gained will be valuable in any student's CV.

## GATEWAY (Applying school learning within a workplace/ industry)

**LEVEL:** NCEA Level 2/3 Unit Standards, 15- 20 credits.

### WHAT IS GATEWAY?

Gateway is a vocational pathway learning opportunity designed to complement timetabled school courses. Successful Gateway applicants will spend 1 day per week for 10 weeks on a sustained work placement with local businesses and organisations. Examples of possible Gateway placements are: Agriculture, Animal Care, Aviation, Automotive Engineering, Boatbuilding, Building & Construction, Design, Education, Electrical, Hairdressing, Health Care, Hospitality, Logistics, Printing, Retail, Sport & Recreation, Tourism, Telecommunications, etc. To be considered for this opportunity, students must complete a Gateway application form and have an interview with the Gateway Coordinator, Mrs Harvey.

### PREREQUISITES:

Level 1 NCEA for Year 12 students or Level 2 NCEA for Year 13 students. Students must have some career direction and display essential work skills ie time management, communication, organisation, team player, reliability and self-motivation.

A Learner or Restricted Licence is desirable.

### LEARNING ACTIVITIES:

External short courses are run by tertiary providers and industry specialists. Learning is self-directed with support from the Gateway Coordinator and tertiary provider tutors. Standards may be assessed both internally and externally depending on the placement.

These are two different examples of individual learning plans.

### 1. Gateway BOATBUILDING vocational pathway programme

Gateway Boatbuilding			not eligible for Course Endorsement					CREDITS		
Standard	L/N	Title	Level	Int	Ext					
US9913		Demonstrate knowledge of the New Zealand marine industry	2	3						
US18161		Perform measurements and calculations used in boatbuilding	2	5						
US25344		Demonstrate knowledge of marine trades and expectations of employees	2	3						
<b>Notes:</b> L - contributes to 10 credits L1 Literacy /			Boatbuilding Vocational Pathway							
N - contributes to 10 credits L1 Numeracy			C & I	M & T	PI	SI	S & CS	CI		
			8	8						
			Sector related credits							
			Recommended credits							

### 2. Gateway AVIATION vocational pathway programme.

Gateway Aviation			not eligible for Course Endorsement					CREDITS		
Standard	L/N	Title	Level	Int	Ext					
US16818		Demonstrate knowledge of aviation industry law, systems and procedures	1	3						
US19585		Describe the development of aviation from pre-World War I through to current times	2	8						
US19586		Identify aviation support structures, aircraft types and operations in New Zealand	2	3						
US19587		Demonstrate knowledge of internal structures in the civil aviation industry in New Zealand	2	3						
US20676		Demonstrate knowledge of aviation careers and training options	2	3						
US20677		Demonstrate knowledge of the principles of aircraft flight	2	3						
<b>Notes:</b> L - contributes to 10 credits L1 Literacy /			Boatbuilding Vocational Pathway							
N - contributes to 10 credits L1 Numeracy			C & I	M & T	PI	SI	S & CS	CI		
						20				
			Sector related credits							
			Recommended credits							

### PATHWAYS/ CAREER RELEVANCE:

Students gain work/school/life balance skills. Students experience the real "World of Work" allowing them to make informed decisions for their Vocational Pathways. Assists students to make decisions about future careers and tertiary study options. Possibilities of part-time work and apprenticeships.

Yr9	Yr10	Yr11	Yr12	Yr13
Technology	Tech Mat Hard →	Tech Materials L1 →	Tech Materials L2 →	Technology (TEMTEL) L3/Schol
		Tech Eng Prac L1 U Std →	Tech Eng Practical L2 U Std →	
		Tech Electronics L1 →	Tech Electronics L2 U Std →	
		Cabinetry L1 U Std →	Automotive L2 U Std →	Automotive L3 U Std
		Design&VisCom →	Carpentry L2 U Std →	Carpentry L3 U Std
		Design&VisCom L1 →	Design&VisCom L2 →	Design&VisCom L3/Schol
	Tech Fash & Des →	Tech Fash & Des L1 →	Tech Fash & Des L2 →	Tech Fash & Des L3
			Tech Fash Apparel L2/3 U Std →	
	Food Tech →	Food & Nutrition L1 →	Food & Nutrition L2 →	Food & Nutrition L3/Schol
			Early Childhood Education L2 U Std →	Early Childhood Education L3 U Std
		Hospitality Intro L1 U Std →	Hospitality L2 U Std →	Hospitality Barista L3 U Std
			Personal & Community Care L2 U Std →	Hospitality Catering L3 U Std
				Personal & Community Care L3 U Std
Comp Apps → Robotics → Electronics →	Text Info Man → Robotics → Electronics →	Digital Technology L1 →	Digital Technology L2 + U Std → Info Tech Web L2 U Std → Programming & Web L2 + U Std →	Digital Tech L3/Schol Programming & Web L3/Schol

## AUTOMOTIVE – ENGINEERING (12AUT)

**LEVEL:** NCEA Level 2 Unit Standards: 20 credits

**PREREQUISITES:** No prior study required.

**LEARNING ACTIVITIES:** This is a UNITEC Partnership course being offered at Lynfield College. It will enable students to complete NZQA Motor Industry Training Organisation units. Students will learn how to disassemble and assemble a 4 cylinder engine. As well as learn how to tune an engine to increase engine power and learn how to service their own vehicles. Students will also learn about specialised tools and equipment. Students must achieve US 16113 within the specified time frame in Term One to continue with this course.

**COST / EQUIPMENT:** \$25

12AUT			not eligible for Course Endorsement			CREDITS			
Standard	L/N	Title	Level	Int	Ext				
US21669		Demonstrate knowledge of hand tools and workshop equipment for motor industry Applications	2	2					
US21859		Select and use hand tools and workshop equipment for an automotive application	2	2					
US16113		Demonstrate knowledge of safe working practices in an automotive workshop	2	2					
US231		Explain the operation of two and four stroke petrol and diesel engines	2	4					
US243		Carry out basic tuning on a four stroke petrol engine	2	4					
US244		Disassemble and assemble a four stroke engine	2	6					
<b>Notes:</b> L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy			12AUT Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
			Sector related credits		10				
			Recommended credits						

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology, Service, and Construction and Infrastructure Sector pathway. These pathways encompass careers in Vehicle fabrication, Mechanic, Automotive Electrician, Welding, Mechanical Engineering, Marine, Assemble Apprenticeships, Engineer, Fitter/Turners, Machinist. Students build the foundation skills need for all trade career paths.

**TIC: Mr Newbrook**

## AUTOMOTIVE – ENGINEERING (13AUT)

**LEVEL:** NCEA Level 2/3 Unit Standards: 17 credits

**PREREQUISITES:** US231, US243, US244 or HOD approval.

**LEARNING ACTIVITIES:** This is a UNITEC Partnership course being offered at Lynfield College. It will enable students to NZQA Motor Industry Training Organisation. Students will learn how manual and automatic trans operate, will investigate new automotive developments and will learn cooling system operation, vehicle lighting systems and basic automotive electrical applications.

**COST / EQUIPMENT:** \$25

13AUT			not eligible for Course Endorsement			CREDITS	
Standard	L/N	Title	Level	Int	Ext		
US21672		Demonstrate knowledge of new and emerging technology	2	5			
US920		Describe construction and operation of manual transmissions	3	4			
US24269		Demonstrate knowledge of cooling system operation, and factors that affect efficiency	3	4			
US24092		Demonstrate knowledge of automotive lighting systems, and headlamp adjustment	3	2			
US24336		Demonstrate knowledge of automatic transmissions and their servicing requirements	3	2			

Notes: L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

13AUT Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits		5				
Recommended credits						

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology, Service, and Construction and Infrastructure Sector pathway. These pathways encompass careers in Vehicle fabrication, Automotive Mechanic, Automotive Electrician, Welding, Mechanical Engineering, Marine, Assemble Apprenticeships, Engineer, Fitter/Turners and Small Engine Mechanics. Students advance their knowledge of vehicle servicing and build the foundation skills need for all Automotive trade career paths.

TIC: Mr Newbrook

## Personal and Community Care (12PCC)

**LEVEL:** NCEA Level 1/2 Unit & Achievement Standards: **27 credits**

**PREREQUISITES:** Entry must be approved by the teacher in charge of Personal and Community Care. Students must have an interest in an element of this course - health, well-being, care provision, customer service, aromatherapy, beauty, makeup, hair.

**LEARNING ACTIVITIES:** Students will work on a variety of practical and theoretical areas. The units include; health and safety in the workplace. Well-being, care provision in a variety of community settings. Aromatherapy, make-up design and application, hair styling, personal presentation and customer service. Students will participate in workshops held by outside practitioners such as a Special Effects makeup workshop hosted by BodyFX. Students will also participate in a one-day work experience placement in a care facility such as a rest home.

**COST / EQUIPMENT:** \$50

12PCC			Not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US23451		Describe the role of a support worker in a health and wellbeing setting	2	5				
US23686		Describe a person's rights in a health and wellbeing setting	2	1				
US28518		Interact with people to provide support in a health and wellbeing setting	2	5				
US497		Demonstrate knowledge of workplace health and safety requirements	1	3				
AS91357		Undertake effective development to make and trial a prototype	2	6				
US26688		Demonstrate knowledge and techniques of make-up applications for a performance context	1	4				
US27701		Demonstrate knowledge and skills of make-up design and application for a specified character	2	3				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy  
R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** This course links to the Service, Social & Community and Creative Sector pathway and encompasses these sector related careers: Nursing, Nurse aid, Pharmacy assistant, Health worker, Care provider, Physiotherapist, Occupational therapist, Podiatrist, Beautician, Beauty Therapist, Hairdressing, Make-up artistry, Retail

TIC: Mrs Townsend /  
Mrs Matheson

## Personal and Community Care (13PCC)

**LEVEL:** NCEA Level 3 Unit & Achievement Standards: **23 credits**

**PREREQUISITES:** Entry must be approved by the teacher in charge of Personal and Community Care. First priority will be given to students who have completed 12PCC. Students must have an interest in an element of this course - health, well-being, care provision, anatomy/physiology, beauty, makeup, hair.

**LEARNING ACTIVITIES:** Students will work on a variety of practical and theoretical areas. The units include; care provision in a variety of community settings. Anatomy and physiology. Beauty product design and prototyping. Make-up design and application and hair styling. Students will participate in workshops held by outside practitioners with a focus on hair and makeup.

**COST / EQUIPMENT:** \$50

12PCC			Not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US9694		Demonstrate and apply knowledge of communication process theory	3	5				
US27457		Describe the anatomy and physiology of systems and associated organs of the human body	3	6				
AS91611		Develop a prototype considering fitness for purpose in the broadest sense	3	6				
US28004		Research, develop, visually communicate and apply a makeup design concept for a given work	3	6				

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy  
R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** Nursing, Nurse aid, Pharmacy assistant, Health worker, Care provider, Physiotherapist, Occupational therapist, Podiatrist, Beautician, Beauty Therapist, Hairdressing, Make-up artistry, Retail

TIC: Mrs Townsend / Mrs Matheson

## CARPENTRY (12CRP)

**LEVEL:** NCEA Level 2 Unit Standards: **24 credits**

**PREREQUISITES:** US24352, Y11 Technology Hard Materials, Y11 Cabinetry preferred or HOD approval.

**LEARNING ACTIVITIES:** This course covers the elementary Unit Standards for apprentices as required by the Building Construction Industry Training Organisation. Units cover safety, hand tools, timber and hardware, portable machines, practical projects (Deck construction, equipment and outdoor furniture).  
 Note: Students must achieve US 24354 within the specified time frame in Term One to continue with this course.  
 \$75 (extra material costs may apply throughout the year).

**COST / EQUIPMENT:**

12CRP		not eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext
US12927		Use basic woodworking hand tools for elementary construction work	2	6	
US12932		Construct wooden garden furniture and items of basic construction equipment	2	8	
US24350		Identify, select, maintain, and use portable power tools for BCATS projects	2	6	
US24354		Demonstrate knowledge of and apply safe working practices in a BCATS workplace	2	4	

Notes: L - contributes to 10 credits L1 Literacy /  
 N - contributes to 10 credits L1 Numeracy

12CRP Vocational Pathway	C & I	M & T	P I	S I	S & CS	C I
Sector related credits	24					
Recommended credits			12			

**PATHWAYS/CAREER RELEVANCE:** This course links to the Construction and Infrastructure, Manufacturing and Technology Sector pathway and encompasses these sector related careers: Builder, Construction worker, Commercial and Domestic Trade construction careers, Truss manufacture, Roofing, Architectural Technician, Boat Builder, Cabinet Maker, Material Engineer, Machinery Operator, Joiner, Furniture Maker. Y12 Carpentry introduces students to foundation building and construction skills.

**TIC: Mr Newbrook**

## CARPENTRY (13CRP)

**LEVEL:** NCEA Level 3 Unit Standards: **20 credits**

**PREREQUISITES:** US24354, US12935 and US24350 or Hard Materials Technology or HOD approval.

**LEARNING ACTIVITIES:** Students will learn to select and use the appropriate tools for construction. Students will learn to read plans and construct an external structure to industry standard. Note: Students must achieve US 12997 within the specified time frame in Term One to continue with this course.

**COST / EQUIPMENT:** \$15

13CRP		not eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext
US12997		Demonstrate knowledge of safe working practices on construction sites	3	3	
US12998		Demonstrate knowledge of carpentry hand tools	3	4	
US12999		Demonstrate knowledge of timber machining equipment used on construction sites	3	3	
US13000		Demonstrate knowledge of portable power tools used on construction sites	3	4	
US13002		Demonstrate knowledge of timber used in construction	3	2	
US24378		Perform building calculations	3	4	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This course links to the Construction and Infrastructure, Manufacturing and Technology Sector pathway and encompasses these sector related careers: Builder, Construction worker, Commercial and Domestic Trade construction careers, Truss manufacture, Roofing, Architectural Technician, Boat Builder, Cabinet Maker, Material Engineer, Machinery Operator, Joiner, Furniture Maker. Y13 Carpentry develops and advances students building and construction skills leading to Industry and Tertiary construction careers.

**TIC: Mr Newbrook**

## EARLY CHILDHOOD EDUCATION (12ECE)

**LEVEL:** NCEA Level 2 Unit Standards **20 credits**.

**PREREQUISITES:** An interest in the wellbeing and education of young children is required.

**LEARNING ACTIVITIES:** Students will gain a good understanding of issues relating to the care and education of young children, with a focus on health, hygiene and nutrition. In addition, professional conduct within an early childhood education centre will be covered. They will also have a variety of practical cooking lessons involving preparing food suitable for a young child.

**COST / EQUIPMENT:** \$50.

12ECE		not eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext
US10021		Describe the basic needs of children in an ECE service	2	3	
US10020		Describe personal and environmental hygiene and safety practices in an ECE service	2	2	
US10024		Demonstrate knowledge of promoting health and well-being of children in an ECE service	2	3	



US26712	Demonstrate knowledge of, and apply, age-related nutrition needs in providing food for a child in an ECE service	2	4	
US10022	Demonstrate knowledge of attachment patterns and short-term separation in an ECE service	2	3	
US10023	Describe transition situations in an ECE service	2	2	
<b>Optional Extra:</b>				
US26715	Describe professional image and demonstrate professional behaviours required of early childhood educators	2	3	

**Notes:** L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12CHC Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>					20	
<b>Recommended credits</b>						

**PATHWAYS/CAREER RELEVANCE:** This course links to the Social and Community Services Sector pathway and encompasses these sector related careers: early childhood education, primary teaching, nursing, nannying, babysitting, flight attendant and parenting. Students can gain credits towards the Level 2 National Certificate in Early Childhood Education.

**TIC: Mrs Wensor**

## EARLY CHILDHOOD EDUCATION (13ECE)

**LEVEL:** NCEA Level 3 Unit Standards: **20 credits**

**PREREQUISITES:** An interest in the wellbeing and education of young children is required. Credits in Childcare Level 2 would be an advantage but is not essential.

**LEARNING ACTIVITIES:** Students will gain a good understanding of issues relating to child development and learning, effective communication and relationships with children and families and the value of play. They will have four one day sessions of work experience at an early childhood education centre. Professional conduct within an early childhood education centre is required.

**COST / EQUIPMENT:** \$50.

13ECE			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US10026		Demonstrate knowledge of the development and learning of children and its relevance to an ECE service	3	5				
US20406		Demonstrate knowledge of and apply effective communication with diverse whānau/families in an ECE service	3	4				
US26708		Develop reciprocal and responsive relationships with a child in an ECE service	3	5				
US6707		Describe the value of play and create resources for children's development and learning in an ECE service	3	6				

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This course links to the Social and Community Services Sector pathway and encompasses these sector related careers: early childhood education, primary teaching, nursing, nannying, babysitting, flight attendant and parenting. Students can gain credits towards the Level 3 National Certificate in Early Childhood and the Level 5 National Certificate in Early Childhood Education. Pathway to tertiary study

**TIC: Mrs Wensor**

## DESIGN AND VISUAL COMMUNICATION (12DVC)

**LEVEL:** NCEA Level 2 Achievement Standards: **19 credits**

**PREREQUISITES:** Achieved grades in AS91063 (Produce freehand sketches to communicate design ideas) and AS91068 (Undertake development of design ideas through graphics practice). Alternatively by HOD approval.

**LEARNING ACTIVITIES:** This comprehensive design course will expose students to both architectural and product design practice. This will include the study of design styles and eras. Students will complete two in depth design projects using a combination of sketching techniques and computer aided design skills and effective communication using design language. Student will then present their work to an audience in the Technology Faculty Showcase. In addition students will learn how to produce production drawings in line with industry practice.

**COST / EQUIPMENT:** \$25

12DVC			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91337		Use visual communication techniques to generate design ideas	2		3			
AS91338		Use working drawings to communicate technical details of own design ideas	2		4			
AS91339		Produce instrumental perspective projection drawings to communicate design ideas (Optional)	2		(3)			
AS91340	L	Use the characteristics of a design movement to inform own design ideas	2	3				
AS91342		Develop a product design through graphics practice	2	6				
AS91343		Use visual communication techniques to compose a presentation of a design	2	4				

**Notes:** L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12DVC Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>	17	4				20
<b>Recommended credits</b>		13	7	7		

**PATHWAYS/CAREER RELEVANCE:** A study of Design and Visual communication opens the way to a wide variety of careers and interests. The 12DVC achievement standards provide sector related credits for Construction and Infrastructure, Manufacturing & Technology and Creative Industries. Careers in these industries include: Architect, Carpenter, Quantity Surveyor, Engineer, Artist, Media Designer and

## ●DESIGN AND VISUAL COMMUNICATION (13DVC)●

**LEVEL:** NCEA Level 3 Achievement Standards: **22 credits, NZQA Scholarship**

**PREREQUISITES:** Achieved grades in AS91337 (Use visual communication techniques to generate design ideas) and AS91342 (Develop a product design through graphics practice). Alternatively by HoD approval.

**LEARNING ACTIVITIES:** This comprehensive design course will expose students to both architectural and product design practice. The course is designed to progress students in their creative industries career pathways, but will also benefit students interested in other pathways such as Manufacturing & Technology and Construction & Infrastructure. At the end of term 3 students will exhibit their design work in the Technology Faculty Showcase. This course also provides the opportunity for students to work towards scholarship. In addition Students will also have the opportunity to create a set of working drawings of their design in line with industry practice.

**COST / EQUIPMENT:** \$25

13DVC			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91627		Initiate design ideas through exploration	3		4			
AS91628		Develop a visual presentation that exhibits a design outcome to an audience	3	6				
AS91629		Resolve a spatial design through graphics practice	3	6				
AS91631		Produce working drawings to communicate production details for a complex design	3		6			

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**

**PATHWAYS/CAREER RELEVANCE:** A study of Design and Visual communication in Year 13 will contribute to awards in Creative Industries, Construction & Infrastructure and Manufacturing & Technology Vocational Pathways. Careers in these sectors include: Architect, Carpenter, Quantity Surveyor, Engineer, Artist, Media Designer and Advertising Manager among many others. In this course students will be assisted in producing their portfolios for tertiary design courses.

TIC: Mr Tan

## DIGITAL TECHNOLOGIES (12DTG)

**LEVEL:** NCEA Level 2 Achievement Standards: **15 credits**. Unit Standards: **5 credits**

**PREREQUISITES:** 16 Credits at Level 1 DTG

**LEARNING ACTIVITIES:** The course guides the students through the process of designing a brief for a client, using project planning tools and producing a final outcome.

**COST / EQUIPMENT:** \$30

12DTG			eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
AS91367	L	Demonstrate understanding of advanced concepts of information systems used to manage shared information	2		3			
AS91354	L	Undertake brief development to address an issue	2	4				
AS91355		Select and use planning tools to manage the development of an outcome	2	4				
AS91370		Implement advanced procedures to produce a specified digital media outcome	2	4				
US2788		Produce desktop published documents to meet a set brief	2	5				

**Notes:** L - contributes to 10 credits L1 **Literacy** /  
N - contributes to 10 credits L1 **Numeracy**

12DTG Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
<b>Sector related credits</b>		7				13
<b>Recommended credits</b>	13	13	11	11		7

**PATHWAYS/CAREER RELEVANCE:** A study of 12 Digital Technologies opens the way to a wide variety of careers and interests. The 12DTG achievements standards provide sector related credits for Creative Industries, Manufacturing and Technology and Services Industries. Careers in these industries include: graphic designer, programmer, system analysis, advertising and sales manager, travel consultant, personal assistant engineer, and researcher.

TIC: Mrs Green

## ●DIGITAL TECHNOLOGIES (13DTG)●

**LEVEL:** NCEA Level 3 Achievement Standards: **16 credits**. Unit Standards: **6 credits**

**PREREQUISITES:** 12 Level 2 Technology or with the approval of the HOD

**LEARNING ACTIVITIES:** The course further develops the students' ability to design a brief for a client, use project management tools successfully and produce a final outcome.

**COST / EQUIPMENT:** \$40 course materials

●13DTG			eligible for Course Endorsement			CREDITS		
Standard	L/N R/W	Title	Level	Int	Ext			
US2789		Produce desktop published documents for organization use	3	6				
AS91608	L	Undertake brief development to address an issue within a determined context	3	4				
AS91609	L	Undertake project management to support technological practice	3	4				



AS91635	L	Implement complex procedures to produce a specified digital media outcome	3	4	
AS91617	W	Undertake a critique of a technological outcome's design	3		4

**Notes:** L - contributes to 10 credits L1 **Literacy** / N - contributes to 10 credits L1 **Numeracy**  
R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS/CAREER RELEVANCE:** A study of 13 Digital Technologies opens the way to a wide variety of careers and interests. The 13DTG achievements standards contribute to awards in Creative Industries, Manufacturing and Technology and Services Industries Vocational Pathways. Careers in these industries include: animator, illustrator, graphic designer, programmer, system analysis, advertising and sales manager, travel consultant, personal assistant, engineer and personal assistant.

**TIC: Mrs Green**

## FOOD & NUTRITION (12FAN)

**LEVEL:** NCEA Level 2 Achievement Standards: **21 credits**

**PREREQUISITES:** Credits in NCEA Level 1 Food and Nutrition AS90956 and AS90961 would be an advantage, but are not essential.

**LEARNING ACTIVITIES:** Students will learn how to apply concepts of nutrition and health within different contexts. They will experience a variety of practical cooking activities designed to develop their skills and to reinforce their theoretical knowledge and understanding.

**COST / EQUIPMENT:** \$60 (\$26 for a Home Economics Level 2 Learning Workbook is recommended from school stationery shop).

12FAN		eligible for Course Endorsement				CREDITS			
Standard	R/W	Title	Level	Int	Ext				
AS91299		Analyse issues related to the provision of food for people with specific food needs	2	5					
AS91301		Analyse beliefs, attitudes and practices related to a nutritional issue for families in New Zealand	2	5					
AS91302		Evaluate sustainable food related practices	2	5					
AS91304	W	Evaluate health promoting strategies designed to address a nutritional need	2		4				
US13334		Prepare and present jams	2	2					
<b>Notes:</b> R - contributes to 5 L2 <b>Reading</b> credits for <b>UE</b> / W - contributes to 5 L2 <b>Writing</b> credits for <b>UE</b>			12FAN Vocational Pathway	C & I	M & T	PI	S I	S & CS	CI
			<b>Sector related credits</b>				2		
			<b>Recommended credits</b>			5	19	19	

**PATHWAYS/CAREER RELEVANCE:** This course links to the Social and Community Services Sector pathway and encompasses these sector related careers: dietician, nutritionist in various areas such as sports nutrition and private practice, early childhood education, public health, health promotion, catering and hospitality, food marketing, tourism, teaching, food companies, midwife, occupational therapist, physiotherapist, podiatrist and registered nurse. Level 2 Food and Nutrition leads to UE.

**TIC: Mrs Rushton**

## ● FOOD & NUTRITION (13FAN) ●

**LEVEL:** NCEA Level 3 Achievement Standards: **18 credits**; NZQA Scholarship

**PREREQUISITES:** Credits in NCEA Level 2 Food and Nutrition AS91299 and AS91304 would be an advantage, but are not essential.

**LEARNING ACTIVITIES:** Students will learn how to critically analyse concepts of nutrition and health within different contexts. They will experience a variety of practical cooking activities designed to develop their skills and to reinforce their theoretical knowledge and understanding.

**COST / EQUIPMENT:** \$60.

13FAN		eligible for Course Endorsement				CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91468	R	Analyse a food related ethical dilemma for New Zealand society	3	5				
AS91469	R	Investigate the influence of multinational food corporations on eating patterns in New Zealand	3	5				
AS91470	R/W	Evaluate conflicting nutritional information relevant to well-being in New Zealand society	3		4			
AS91471	W	Analyse the influences of food advertising on well-being	3		4			

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS/CAREER RELEVANCE:** This course links to the Social and Community Services Sector pathway and encompasses these sector related careers: dietician, nutritionist in various areas such as sports nutrition and private practice, early childhood education, public health, health promotion, catering and hospitality, food marketing, tourism, teaching, food companies, midwife, occupational therapist, physiotherapist, podiatrist and registered nurse. Level 3 Food and Nutrition leads to UE and tertiary study.

**TIC: Mrs Rushton**

## HOSPITALITY (12HOS)

**LEVEL:** NCEA Level 2 Unit Standards: **21 credits**

**PREREQUISITES:** Level 1 Hospitality an advantage

**LEARNING ACTIVITIES:** A range of written and practical activities based around food preparation and service. This course enables students to gain industry qualifications while at school and prepares them for work in hotels, cafés and restaurants. This course leads into Level 3 Hospitality. Students are able to be involved in competition work at this level.

**COST / EQUIPMENT:** \$ 70. Students need a large clear file folder to keep their work in. Uniform for practical lesson must include covered shoes, hair net, no facial piercings and no false fingernails are allowed.

12HOS		not eligible for Course Endorsement			CREDITS				
Standard	L/N	Title	Level	Int	Ext				
US167		Practice food safety methods in a food business	2	4					
US13276		Cook food items by grilling	2	2					
US13283		Prepare and present salads for service	2	2					
US13285		Handle and maintain knives in a commercial kitchen	2	2					
US14425		Prepare and serve hot and cold non-alcoholic drinks in a commercial hospitality environment	2	2					
US14434		Prepare and clear areas for hospitality in a commercial hospitality environment	2	3					
US14436		Provide table service in a commercial hospitality environment	2	4					
US14462		Maintain personal presentation and greet customers in the hospitality industry	2	2					
<b>Notes:</b> L - contributes to 10 credits L1 Literacy /			12HOS Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
N - contributes to 10 credits L1 Numeracy			Sector related credits				24		
			Recommended credits						

**PATHWAYS/CAREER RELEVANCE:** This course involves both cookery and food and beverage service and prepares students to work as a salad hand, waiter/ waitress and leads into a career path in the Hospitality Industry e.g. Chef, Hotel Management, Airline Steward, Tourism, Service industry, Food / Beverage Service, Cookery, Café work, Restaurant work, Apprenticeships in Cookery and Food and Beverage. Contributes Sector credits towards Service Industry Vocational Pathway Award.

**TIC: Mr Davis**

### HOSPITALITY – Barista (13HOB)

**LEVEL:** NCEA Level 2 and 3 Unit Standards Level 2 (4 credits), Level 3 (18 credits): **22 credits**

**PREREQUISITES:** Year 12 Hospitality is recommended. Must have U/S 167 either through taking level 2 Hospitality at school or through own study. Permission from Mrs Townsend the Faculty Leader is required if you don't have these prerequisites. Students taking this course are serious about entering the Hospitality Industry as a career.

**LEARNING ACTIVITIES:** This course is a practical based course where students will learn a variety of Barista and cookery skills and run and manage the café on a day to day bases. The expectation is that students are available for running the café and catering for events which may or may not be held during school time. Assessments will be both practical and theory based.

**COST / EQUIPMENT:** \$70. Students need a large clear file folder and scrap book to keep their work in. Uniform for practical lesson must include covered shoes, hair net, no facial piercings and no false fingernails are allowed.

13HOB		not eligible for Course Endorsement			CREDITS				
Standard	L/N	Title	Level	Int	Ext				
US17284		Demonstrate knowledge of coffee origin and production (Barista Certificate)	3	3					
US17285		Demonstrate knowledge of commercial espresso coffee equipment and prepare espresso under supervision.	2	4					
US17288		Prepare and present espresso beverages for service (Barista Certificate)	3	5					
US13325		Prepare and bake basic cakes ,sponges ,and scones in a commercial kitchen	3	4					
US13282		Prepare, assemble and present complex sandwiches in a commercial kitchen	3	2					
US13314		Prepare and cook egg dishes in a commercial kitchen	3	4					
<b>Notes:</b> L - contributes to 10 credits L1 Literacy /			12HOS Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
N - contributes to 10 credits L1 Numeracy			Sector related credits				8		
			Recommended credits						

**PATHWAYS/CAREER RELEVANCE:** This prepares students to work in the Hospitality and Tourism Industry Hotel Management, Food and Beverage service, Café work, Barista and Apprenticeships, in New Zealand and overseas. Cruise ships, Flight attendants and Event Operators.

**TIC: Mr Davis**

### HOSPITALITY – CATERING (13HOC)

**LEVEL:** Year 13 - NCEA Unit Standards Level 3 (22 credits) (12 optional credits)

**PREREQUISITES:** Year 12 Hospitality is recommended. Must have U/S 167 either through taking level 2 Hospitality at school or through own study. Permission from Mrs Townsend the Faculty Leader is required if you don't have these prerequisites. Students taking this course are serious about entering the Hospitality Industry as a career.

**LEARNING ACTIVITIES:** This course is a practical based course where students will learn a variety of cookery skills. The expectation is that students are available to take part in numerous catering events which may or may not be held during school time. Assessments will be both practical and theory based.

**COST / EQUIPMENT:** \$70. Students need a large clear file folder and scrap book to keep their work in. Uniform for practical lesson must include covered shoes their own chef's hat and chefs jacket no facial piercings or false fingernails

13HOC		not eligible for Course Endorsement			CREDITS		
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Standard	L/N	Title	Level	Int	Ext
US18497		Demonstrate knowledge of culinary products terms	3	8	
US13293		Prepare and cook vegetables in a commercial kitchen	3	6	
US 13288		Prepare and present basic meat dishes in a commercial kitchen	3	8	
US26309		Provide buffet and beverage service in a commercial hospitality environment (optional)	3	12	

Notes: L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

**PATHWAYS/CAREER RELEVANCE:** This course links to the Service Industry Sector pathway and encompasses these sector related careers: This prepares students to work in the Hospitality and Tourism Industry with a focus on cookery and preparing students to become an industry trained Chef. Or for roles in Hotel Management, Café work, Event Management, Event Catering, Super Yachts, Cruise liners, Celebrity Chef, International Food Writer, Food Critic, a food magazine contributor, Restaurateur, Cookery Apprenticeships

TIC: Mr Davis

## INFORMATION TECHNOLOGY WITH WEB DESIGN (12ITH)

**LEVEL:** NCEA Level 2 Unit Standards: **20 credits**

**PREREQUISITES:** No prior study required.

**LEARNING ACTIVITIES:** Practical skill-based course covering a variety of software applications designed to give students the basic knowledge and skills to carry out common computing tasks. There will be extension in web page design (two standards), including using dedicated web-authoring software (Dreamweaver). The written demands of this course are not as great as in some others. There is a practical emphasis.

**COST / EQUIPMENT:** No subject fee but students will have to pay printing costs

12ITH			not eligible for Course Endorsement			CREDITS		
Standard	L/N	Title	Level	Int	Ext			
US25656		Create a website using a mark-up language to meet a set brief	2	3				
US25655		Create a website using a dedicated web-authoring tool to meet a set brief	2	3				
US5940		Produce a presentation using a desktop presentation computer application	2	3				
US111		Use a word processor to produce documents for a business or organisation	2	5				
US2784		Create and use a computer spreadsheet to solve a problem	2	3				
US2786		Create and use a computer database to solve a problem	2	3				

Notes: L - contributes to 10 credits L1 Literacy

N - contributes to 10 credits L1 Numeracy

Standards offered in this course are reviewed at the end of each year. Some minor changes are possible.

12ITH Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits						9
Recommended credits	9	15	3	8	8	6

**PATHWAYS/CAREER RELEVANCE:** A study of 12 Information Technology with Web Design opens the way to a wide variety of careers and interests. The 12ITH achievements standards provide sector related credits for Creative Industries, Manufacturing and Technology and Services Industries. Careers in these industries include: graphic designer, web page developer, advertising and sales manager, travel consultant, personal assistant, information manager, and copywriter.

TIC: Mrs Ram

TIC: Mrs Ram

## PROGRAMMING AND DESIGN (12PAD)

**LEVEL:** NCEA Level 2 Achievement Standards: **18 credits**

**PREREQUISITES:** Exclusions: This paper may not be taken with 12DTG, 12TEL

**LEARNING ACTIVITIES:** Students doing this course will learn to program in Python which is the language of choice of most New Zealand Universities. You will also learn web design and image manipulation. These modern skills are becoming increasingly desirable in the workplace.

**COST / EQUIPMENT:** \$20 course materials.

13PAW			eligible for Course Endorsement			CREDITS		
Standard	L/N R/W	Title	Level	Int	Ext			
AS91373		Construct an advanced computer program for a specified task	2	3				
AS91372		Construct a plan for an advanced computer program	2	3				
AS91371		Demonstrate understanding of advanced concepts	2		4			
AS91369		Demonstrate understanding of concepts of digital media	2	4				
AS91370		Implement advanced procedures to produce a digital media outcome	2	4				

Notes: ★ Approved standard for UE (Technology)

R - contributes to 5 L2 Reading credits for UE

W - contributes to 5 L2 Writing credits for UE

L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy

13PAW Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits		18				18
Recommended credits				8		

**PATHWAYS/CAREER RELEVANCE:** This course should be taken by students wishing to gain understanding of computer programming and web design as well as students wanting to continue on to further studies in Computer Science. This course links to the Creative Industries and the Technology Sectors and encompasses these

sector related careers: Computer programmer, web site developer, database administrator, software engineer, computer technician, network manager, computer scientist, electronics engineer.

TIC: Mr Hook

**●PROGRAMMING AND WEB (13PAW)●**

**LEVEL:** YEAR 13; NCEA Achievement & Unit Standards Level 3: **23 credits**  
**PREREQUISITES:** **Exclusions:** This paper may not be taken with 13DTG,13TFD, 13TEL  
**LEARNING ACTIVITIES:** Students doing this course will learn to program in Python which is the language of choice of most New Zealand Universities. You will also learn web design and image manipulation. The Level 3 AS programming paper is dependent upon success at Level 2 programming.  
**COST / EQUIPMENT:** \$20 course materials.

13PAW			eligible for Course Endorsement			CREDITS			
Standard	L/N R/W	Title	Level	Int	Ext				
AS91373		Construct an advanced computer program for a specified task	2	3					
US18741		Create a computer program to provide a solution	3	6					
AS91635	L	Implement complex procedures to produce a specified digital media outcome	3	4					
AS91637	L	Develop a complex computer program for a specified task	3	6					
AS91636	R/W	Demonstrate an understanding of areas of computer science	3		4				
<b>Notes:</b> ★ Approved standard for UE (Technology)			13PAW Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
R - contributes to 5 L2 <b>Reading</b> credits for <b>UE</b>			<b>Sector related credits</b>		3				3
W - contributes to 5 L2 <b>Writing</b> credits for <b>UE</b>			<b>Recommended credits</b>						
L - contributes to 10 credits L1 <b>Literacy</b> / N - contributes to 10 credits L1 <b>Numeracy</b>									

**PATHWAYS/CAREER RELEVANCE:** This course should be taken by students wishing to gain understanding of computer programming and web design as well as students wanting to continue on to further studies in Computer Science. Students with good passes in AS91636 and AS91937 will be allowed to progress a paper at Auckland University. This course links to the Creative Industries and the Technology Sectors and encompasses these sector related careers: Computer programmer, web site developer, database administrator, software engineer, computer technician, network manager, computer scientist, electronics engineer.

TIC: Mr Hook

**TECHNOLOGY - ELECTRONICS (12TEL)**

**LEVEL:** NCEA Level 2 Achievement Standards: **19 credits. US 3 credits**  
**PREREQUISITES:** Level 1 TEL AS 91077, AS 91078 or Level 1 literacy and numeracy and HOD approval  
**LEARNING ACTIVITIES:** This course prepares students to study for a National Diploma in Electronic engineering or take up an apprenticeship in electronics or become an electrician. Students will learn about electronic theory and construct electronic products and circuits  
**COST / EQUIPMENT:** \$60 - materials

12TEL			eligible for Course Endorsement			CREDITS			
Standard	L/N	Title	Level	Int	Ext				
AS91357		Undertake effective development to make and trial a prototype.	2	6					
US18242		Make a simple Printed Circuit Board	2	3					
AS91373		Construct an advanced computer program for a specified task.	2	3					
AS91374	L	Demonstrate understanding of advanced concepts used in the construction of electronic environments.	2	3					
AS91375		Implement advanced interface procedures in specified electronic environments.	2	3					
AS91376		Implement advanced techniques in constructing a specified electronic and embedded system.	2	3					
AS91363		Demonstrate understanding of sustainability in design	2		4				
<b>Notes:</b> L - contributes to 10 credits L1 <b>Literacy</b> / N - contributes to 10 credits L1 <b>Numeracy</b> R			12TEL Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
			<b>Sector related credits</b>		21				19
			<b>Recommended credits</b>	10	4	6	3		6

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology sector and the Creative Industries sector and encompasses these sector related careers: Electronics Engineer, Electrician, Mechanical Engineering Technician, Electronics Trades, Production Manager, Technical Writer, Sound Technician.  
 Study for a Degree in Electronics Engineering, Technology, Robotics or Mechatronics.

TIC: Mr Newbrook

**●TECHNOLOGY - ELECTRONICS (13TEL)●**

**LEVEL:** NCEA Level 3 Achievement Standards: **18 credits/NZQA Scholarship**  
**PREREQUISITES:** Level 2 TEL AS 91374, AS 91375 or HOD approval  
**LEARNING ACTIVITIES:** This course prepares students to study for a National Diploma in Electronic engineering or Degree in Electrical engineering, an apprenticeship in electronics or become an electrician. Students will learn about electronic theory and construct electronic products and circuits. This

course also provides the opportunity for students to work towards scholarship.

**COST / EQUIPMENT:** \$60 - materials

13TEL			eligible for Course Endorsement			CREDITS		
Standard	L/N R/W	Title	Level	Int	Ext			
AS91638	LW	Demonstrate understanding of complex concepts used in the design and construction of electronic environments	3		4			
AS91639	L	Implement complex interfacing procedures in a specified electronic environment	3	4				
AS91640	L	Implement complex techniques in constructing a specified complex electronic and embedded system	3	4				
AS91611	L	Develop a prototype considering fitness for purpose in the broadest sense	3	6				

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy  
R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology sector and the Creative Industries sector and encompasses these sector related careers: Electronics Engineer, Electrician, Mechanical Engineering Technician, Electronics Trades, Production Manager, Technical Writer, Sound Technician.  
Study for a Degree in Electronics Engineering, Technology, Robotics or Mechatronics.

TIC: Mr Newbrook

## TECHNOLOGY – ENGINEERING MATERIALS (12TEM)

**LEVEL:** NCEA Level 2 Achievement Standards: **20 credits**

**PREREQUISITES:** Level 1 literacy and numeracy, 10 credits in a technology or digital media subject or HOD approval.

**LEARNING ACTIVITIES:** This course is designed for students wishing to take Engineering as a Career. Areas of focus are Structures, Mechanisms, Engineering drawing, and practical workshop engineering skills.

**COST / EQUIPMENT:** \$60 - materials

12TEM			eligible for Course Endorsement			CREDITS		
Standard	L/N R/W	Title	Level	Int	Ext			
AS91363	L	Demonstrate understanding of sustainability in Design.	2		4			
AS91344		Implement advanced procedures using resistant materials to make a specified product.	2	6				
AS91347	L	Demonstrate understanding of advanced concepts used when making an item using materials.	2	4				
AS91356		Develop a conceptual design for an outcome.	2	6				

**Notes:** L - contributes to 10 credits L1 Literacy /  
N - contributes to 10 credits L1 Numeracy

12TEM Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits	10	10				20
Recommended credits	10	10	6			

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology sector and the Creative Industries sector and encompasses these sector related careers: Graphic Designer, Construction worker, Civil Engineer, Carpenter, Project Manager, Environmental Engineer, and Furniture Designer.

TIC: Mr Newbrook

## ● TECHNOLOGY – ENGINEERING MATERIALS (13TEM) ●

**LEVEL:** NCEA Level 3 Achievement Standards: **22 credits/NZQA Scholarship**

**PREREQUISITES:** Level 1 literacy, 10 credits in a Level 2 technology or digital media subject or HOD approval.

**LEARNING ACTIVITIES:** Students will design and construct an engineering product or a material product based on structures, materials and mechanisms in a given context. Students will also develop an understanding of professional codes of practice. This course also provides the opportunity for students to work towards scholarship.

**COST / EQUIPMENT:** \$60 – materials

● 13TEM			eligible for Course Endorsement			CREDITS		
Standard	L/N R/W	Title	Level	Int	Ext			
AS91610	L	Develop a conceptual design considering fitness for purpose in the broadest sense	3	6				
AS91612	W	Demonstrate understanding of how technological modeling supports technological development and implementation	3		4			
AS91611	L	Develop a prototype considering fitness for purpose in the broadest sense	3	6				
AS91620		Implement complex procedures to integrate parts using resistant material to make a Specified product	3	6				

**Notes:** L - contributes to 10 credits L1 Literacy / N - contributes to 10 credits L1 Numeracy  
R - contributes to 5 L2 Reading credits for UE / W - contributes to 5 L2 Writing credits for UE

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology sector and the Creative Industries sector and encompasses these sector related careers: Graphic Designer, Construction worker, Civil Engineer, Carpenter, Project Manager, Environmental Engineer, and Furniture Designer.

TIC: Mr Newbrook



## TECHNOLOGY – ENGINEERING PRACTICAL (12TEP)

**LEVEL:** NCEA Level 2 Unit Standards: **21 credits**

**PREREQUISITES:** Yr11 TEP, Y11TMH, Y11CAB preferred. US 497. HOD approval.

**LEARNING ACTIVITIES:** This course is designed to give students basic to intermediate practical engineering skills. Students will also construct a pocket motor bike frame. Units cover machining, welding and assembly.  
 Note: Students who have not gained US 497 must complete this unit within the specified time frame in Term One to continue with this Course.

**COST / EQUIPMENT:** \$ 40. (\$315.00 for pocket motor bike – optional, Extra material costs may apply).

12TEP		not eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext
US21905		Demonstrate knowledge of trade calculations and units for mechanical engineering trades	2	6	
US2396		Select use and maintain portable hand held engineering power tools	2	4	
US2395		Select, use and care for, engineering hand tools	2	4	
US4435		Select, use, and care for engineering dimensional measuring equipment	2	3	
US4436		Select, use, and care for engineering marking-out equipment	2	4	

**Notes:** L - contributes to 10 credits L1 Literacy /  
 N - contributes to 10 credits L1 Numeracy

12TEP Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits	21					
Recommended credits		8				

**PATHWAYS/CAREER RELEVANCE:** This course links to the Manufacturing and Technology, and Construction and Infrastructure Sector pathway. These pathways encompass careers in Steel fabrication, Welding, Apprenticeship, Engineer, Construction, Fitter/Turners, Machinist, Roofer, Steel workers, Building, Aluminium Fabricators, Fencing, and many more. Students build the foundation skills need for all trade career paths.

**TIC: Mr Newbrook**

## TECHNOLOGY – FASHION AND APPAREL (12TFA)

**LEVEL:** NCEA Level 2 & 3 Unit Standards: **21 credits**

**PREREQUISITES:** Year 11 Fashion and Design would be an advantage

**LEARNING ACTIVITIES:** This is a practical course were students use machinery found in the fashion industry. They will complete the following activities: operate industrial machines, garment construction, pattern development, and knowledge of fabric properties. There is also an opportunity for Gateway.

**COST / EQUIPMENT:** \$60

12TFA		Not eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext
US4838		Demonstrate knowledge of clothing materials in the clothing industry	2	5	
US1540		Set up, adjust and operate a domestic lockstitch sewing machine	2	3	
US20342		Thread and operate an industrial lockstitch sewing machine in a learning environment	2	7	
US2747		Sew dissimilar fabrics together using an industrial lockstitch sewing machine	3	6	

**Notes:** L - contributes to 10 credits L1 Literacy /  
 N - contributes to 10 credits L1 Numeracy

12TFA Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
Sector related credits		3				
Recommended credits						

**PATHWAYS/CAREER RELEVANCE:** A study of Fashion and Apparel opens the way to a wide variety of careers and interests. The 12TFA course provides vocational pathways in Manufacturing & Technology and Creative Industries. Careers in these industries include: Clothing designer, Product designer, Interior decorating, Textiles design, Costume designer, Pattern maker, Seamstress, Merchandiser. Work that involves using a creative design process.

**TIC: Mrs Wensor**

## TECHNOLOGY – FASHION AND DESIGN (12TFD)

**LEVEL:** NCEA Level 2 Achievement Standards: **24 credits**

**PREREQUISITES:** Year 11 Fashion and Design would be an advantage

**LEARNING ACTIVITIES:** This course contains two main units of work. Students will explore, test and trial various fabric manipulation techniques to develop a quality textiles outcome with special features. The focus is developing student's knowledge and capabilities while using both domestic and industrial machines. The second unit focuses on developing student's knowledge of good design and illustration skills to produce a portfolio of work that is inspired by an era or movement. The aim is to support students to produce evidence that can be compiled into a professional portfolio for university applications. Students are given the opportunity to visit various tertiary providers to view possible career options.

**COST / EQUIPMENT:** \$60

12TFD		eligible for Course Endorsement	CREDITS		
Standard	L/N	Title	Level	Int	Ext
AS91345		Implement advanced procedures using textile materials to make a specified product with special features	2	6	

AS91356		Develop a conceptual design for an outcome	2	6					
AS91340		Use the characteristics of a design movement or era to inform own design ideas	2	3					
AS91337		Use visual communication techniques to generate design ideas	2		3				
AS91357		Under take effective development to make and trial a prototype.	2	6					
<b>Notes:</b> L - contributes to 10 credits L1 <b>Literacy</b> /			12TFD Vocational Pathway	C & I	M & T	PI	SI	S & CS	CI
N - contributes to 10 credits L1 <b>Numeracy</b>			<b>Sector related credits</b>	9	12				24
			<b>Recommended credits</b>	12	9	15	3		

**PATHWAYS/CAREER RELEVANCE:**

A study of Fashion and Design opens the way to a wide variety of careers and interests. The 12TFD course provides vocational pathways in Construction and Infrastructure, Manufacturing & Technology and Creative Industries. Careers in these industries include: Clothing designer, Product designer, Interior decorating, Film and Television costume designer, Pattern maker, Seamstress, Fashion stylist, Textile design, Merchandiser, Fashion marketing, Fashion buyer, Production manager, Fashion retail, Fashion illustrator. Work that involves critical analysis, marketing and project management through a creative design process

TIC: Mrs Wensor

**● TECHNOLOGY – FASHION AND DESIGN (13TFD) ●**

**LEVEL:** NCEA Level 3 Achievement Standards: **20 credits**; NZQA Scholarship

**PREREQUISITES:** Year 12 Fashion and Design would be an advantage

**LEARNING ACTIVITIES:** This course contains two main units of work. Students will develop a sound knowledge of New Zealand designers and use their design features to develop a made to measure garment for themselves or a client. Students will be taught advanced pattern drafting skills and presented with opportunities to develop their own textile design through printing, stenciling and dying. This unit provides the opportunity for students to work towards scholarship. The second unit introduces students to project and event management and they implement these new skills to plan, develop and run the annual Technology Showcase and Fashion Show evening. Students are eligible for scholarship. Opportunities are available for students interested in work experience.

**COST / EQUIPMENT:** \$60

13TFD			eligible for Course Endorsement / Scholarship			CREDITS		
Standard	R/W	Title	Level	Int	Ext			
AS91609		Undertake project management to support technological practice	3	4				
AS91612	R	Demonstrate understanding of how technological modeling supports technological development and implementation	3		4			
AS91621		Implement complex procedures using textile materials to make a specified product	3	6				
AS91626		Draft a pattern to interpret a design for a garment	3	6				

**Notes:** R - contributes to 5 L2 **Reading** credits for **UE** / W - contributes to 5 L2 **Writing** credits for **UE**

**PATHWAYS/CAREER RELEVANCE:**

A study of Fashion and Design opens the way to a wide variety of careers and interests. The 13TFD course provides vocational pathways in Construction and Infrastructure, Manufacturing & Technology and Creative Industries. Careers in these industries include: Clothing designer, Product designer, Interior decorating, Film and Television costume designer, Pattern maker, Seamstress, Fashion stylist, Textile design, Merchandiser, Fashion marketing, Fashion buyer, Production manager, Fashion retail, Fashion illustrator. Work that involves critical analysis, marketing and project management through a creative design process

TIC: Mrs Wensor





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# VOCATIONAL PATHWAY PROFILE CHART

.... for possible course selection combinations to go on your 2016 timetable

Fill in the courses you have selected and complete the credits columns for the SECTOR RELATED credits and the RECOMMENDED credits. Tick the "AWARD" box if it adds up to 60 (with at least 20 Sector Related credits).

	Construction and Infrastructure		Manufacturing and Technology		Primary Industries		Service Industries		Social and Community Services		Creative Industries	
	Sector related credits	Recom. credits	Sector related credits	Recom. credits	Sector related credits	Recom. credits	Sector related credits	Recom. credits	Sector related credits	Recom. credits	Sector related credits	Recom. credits
Course 1												
Course 2												
Course 3												
Course 4												
Course 5												
Course 6												
TOTAL credits												
AWARD												

You need a total of 60 credits in each colour with at least 20 of those from the "Sector related credits" column.

If you can see there are sectors featuring highly in your proposed timetable or there are ticks in the AWARD boxes you should match those against possible careers on the chart – or try a different selection below.

	Construction and Infrastructure		Manufacturing and Technology		Primary Industries		Service Industries		Social and Community Services		Creative Industries	
	Sector related credits	Recom. credits	Sector related credits	Recom. credits	Sector related credits	Recom. credits	Sector related credits	Recom. credits	Sector related credits	Recom. credits	Sector related credits	Recom. credits
Course 1												
Course 2												
Course 3												
Course 4												
Course 5												
Course 6												
TOTAL credits												
AWARD												

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