

2020



SENIOR COURSE INFORMATION



LYNFIELD
COLLEGE





**LYNFIELD
COLLEGE**

SENIOR COURSE
INFORMATION 2020

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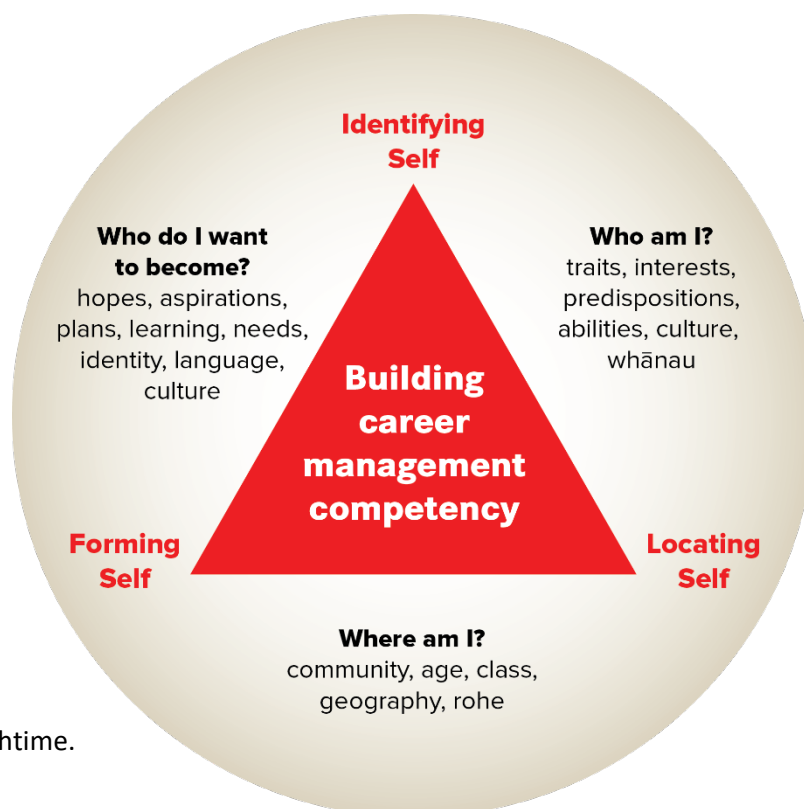
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Please Note: Each individual course is listed in the index on pages 91 and 92 along with the relevant page number where the course description can be found.

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 by choosing 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. 8.30 am to 3.30 pm, including lunchtime.



Procedures

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:

Wednesday 21 August 2019

Please Note

- 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 subject 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 Academic Advisor Neil Waddington, in the last few days of the summer holidays. Deans and faculty leaders will be available for Course Confirmation from:

Friday 24 January 2020

If you have any questions about the final timetable and option choices, see Deputy Principal Richard Winn.

Faculties

ARTS FACULTY (ART)

Faculty Leader: **Susan Allpress**

Email: sallpress@lynfield.ac.nz

Location: B Block, Performing Arts Office

MATHEMATICS AND STATISTICS FACULTY (MAT)

Faculty Leader: **Caitlin Clock**

Email: cclock@lynfield.ac.nz

Location: G Block, Maths Office

SCIENCE FACULTY (SCI)

Faculty Leader: **Rob Eyre**

Email: reyre@lynfield.ac.nz

Location: G Block, Science Office

STUDENT SERVICES FACULTY (STS)

Faculty Leader: **Deborah Kevany**

Email: dkevany@lynfield.ac.nz

Location: Student Services

LANGUAGE AND LANGUAGES FACULTY (LAN)

Faculty Leader: **Cathy Feist**

Email: cfeist@lynfield.ac.nz

Location: F Block, F9/10 English Office

HEALTH AND PHYSICAL EDUCATION FACULTY (PHE)

Faculty Leader: **Kat Wells**

Email: kwells@lynfield.ac.nz

Location: Lower Gym, Physical Education Office

SOCIAL SCIENCES AND BUSINESS FACULTY (SSC)

Faculty Leader: **Therese Marshall**

Email: tmarshall@lynfield.ac.nz

Location: B Block, Social Sciences Office

TECHNOLOGY FACULTY (TEC)

Faculty Leader: **Sonia Wensor**

Email: swensor@lynfield.ac.nz

Location: D Block, Teachers Workroom

QUALIFICATIONS AND AWARDS

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 attain:
 - **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 are:

LEVEL 1:	80 credits at Level 1	Including 10 credits in Literacy, including 10 credits in Numeracy
LEVEL 2:	80 credits	At least 60 credits from Level 2 + 20 credits from Level 1 + Level 1 Literacy and Numeracy
LEVEL 3:	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 in New Zealand is gained by achieving a set number of National Qualifications Framework credits at Level 3, plus meeting literacy and numeracy requirements. University Entrance is the **minimum** requirement for enrolment at a New Zealand University.

SUMMARY OF UNIVERSITY ENTRANCE REQUIREMENTS

NCEA LEVEL 3:	60 credits at Level 3 and 20 credits at Level 2. <i>This must include 14 credits in each of three approved subjects</i>
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

Please Note: The University of Auckland 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.

CODING FOR COURSE DESCRIPTIONS (pages 32 to 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

● UNIVERSITY ENTRANCE APPROVED SUBJECTS

The list of approved subjects for entrance to university is:

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

THREE subjects used for the University Entrance qualification must be from the above 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:

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

To achieve the Vocational Pathways Award, a learner must:

- **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, e.g. 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.

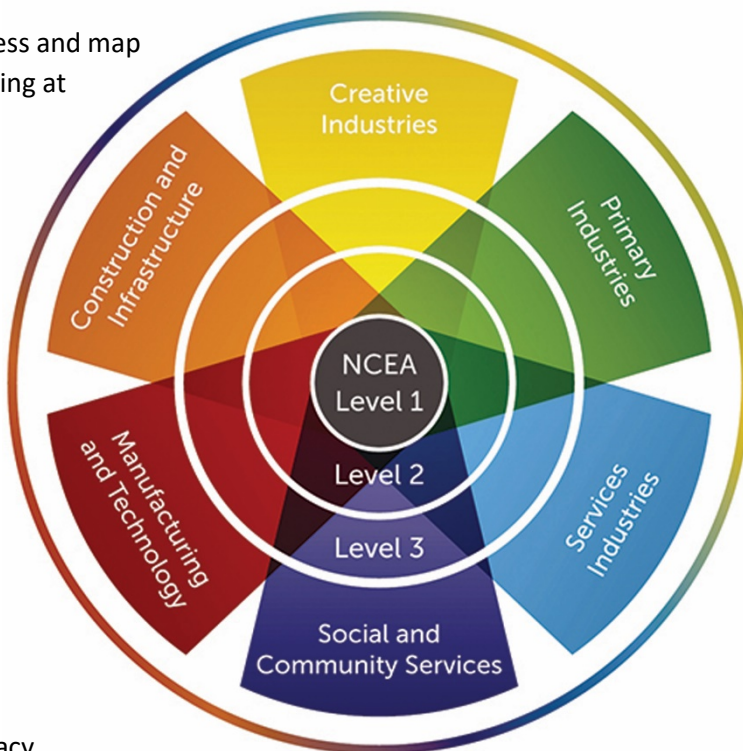
A coloured chart in each Year 12 course entry in this booklet shows the total number of credits from the course that will contribute towards each Vocational Pathway sector. For example:

VOCATIONAL PATHWAY AWARDS	Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits						
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 the following page 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/>



VOCATIONAL PATHWAYS: Education and Careers

1. Every job or career is part of one or more of the six New Zealand Vocational Pathways
2. Pathways are flexible and can overlap across different learning levels **and** different industry sectors
3. Qualifications are offered through different government and private training providers, e.g. polytechnics (ITPs), universities, Private Training Establishments (PTEs)
4. Training providers offer certificate, diploma, degree and post-graduate qualifications
5. Many jobs offer 'Earn While You Learn' training towards qualifications (e.g. apprenticeships, cadetships and internships)
6. For more job options, training options and interactive career building tools, go to www.careers.govt.nz

	Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
NCEA Levels 1 – 3 to New Zealand (Level 2 - Level 4)	Boat Builder Bricklayer Building Contractor Caretaker Carpenter Crane Operator Electrician Floor and Waller Tiler Floor Covering Installer Landscape Gardener Line Mechanic Locksmith Mine/Quarry Worker Painter and Decorator Plumber/Gasfitter/Drainlayer Property Manager Roading Construction Worker Roofer Scaffolder Water Treatment Operator	Auto Electrician/Technician Baker Boat Builder Chem. Production Operator Clothing Designer Clothing Pattern Maker Collision Repair Technician Dairy Products Maker Electrician Food and Beverage Worker Jeweller Lighting Technician Marine Engineer Meat/Seafood Processor Mech. Engineering Technician Plastics Technician Telecom. Technician Tyre Technician Winemaker Wood Machinist	Animal Attendant Aquaculture Farmer Arborist Building & Const. Labourer Crop Farmer Dairy Products Maker Dog Trainer Farm Worker Fencer Fishery Officer Fishing Skipper Forestry and Logging Worker Grounds person Horse Trainer Landscape Gardener Meat/Seafood Processor Nursery Grower/Worker Ranger Winemaker Wood Processing Worker	Accounts Officer Aircraft Loader or Refueller Bank Worker/Mortgage Broker Bartender Beauty Therapist Café/Restaurant Manager Chef Cleaner Contact Centre Worker Fitness Instructor Flight Attendant Florist Hairdresser Hotel Manager Legal Executive Motor Vehicle Sales Receptionist Retail Manager Tourism Operator Truck Driver	Air Force Officer Community Worker Customs Officer Dental Assistant Dispensing Optician Emergency Mgmt. Officer Firefighter Health and Safety Inspector Health Promoter Immigration Officer Legal Clerk Library Assistant Minister Nanny Nursing Support and Carer Police Officer Recreation Coordinator Security Officer Teacher Aide Translator	Actor Beauty Therapist Body Artist Clothing Designer Clothing Pattern Maker Copywriter Dancer Film and Video Editor Film/TV Camera Operator Florist Hairdresser Jeweller Make-Up Artist Media Producer Musician Photographer Sewing Machinist Signmaker TV Presenter Upholsterer
Diploma (Level 4 – Level 6)	Architectural Technician Civil Engineering Technician Geospatial Specialist Interior Design Property Manager Quantity Surveyor Survey Technician	Aircraft Maintenance Engineer Architectural Technician Computer Support Technician Database Administrator Elect. Engineering Technician Science Technician Telecom. Technician	Forestry Manager Science Technician	Sales & Marketing Manager Air Traffic Controller Office Manager Insurance Salesperson Flying Instructor	Anaesthetic Technician Career Consultant Early Childhood Teacher Librarian Medical Laboratory Technician Naturopath Paramedic Psychotherapist Teacher of ESOL Youth Worker	Advert., Sales, Marketing Interior Designer Editor Architectural Technician Graphic Designer Web Developer Editor
Degree (Level 5 – Level 7)	Architectural Technician Civil Engineer Energy Auditor Environmental Engineer Landscape Architect Mining Engineer Naval Architect (Designer) Project Manager Surveyor	Agricultural Engineer Architect Biomedical Engineer Chemical Engineer Civil Engineer Food Technologist Forensic Scientist Game Developer Industrial Designer Mechanical Engineer	Agricultural Consultant Biotechnologist Environmental Scientist Forestry Scientist Geophysicist Landscape Architect Marine Biologist Microbiologist Veterinarian Zoologist	Accountant Aeroplane Pilot Economist Graphic Designer Industrial Designer Intelligence Officer Lawyer Meteorologist Pharmacist Project Manager	Cardiologist Dentist Education Advisor Environmental Health Officer Foreign Policy Officer Health Services Manager Medical Laboratory Scientist Social Worker Teacher (Primary/Secondary) Urban/Regional Planner	Animator Architectural Technician Game Developer Industrial Designer Historian Landscape Architect Naval Architect
Postgraduate (Level 7 - 10)	Architect Environmental Engineer Mining Consultant	Chemist	Agricultural Scientist Geologist Horticultural Scientist	Archivist Conservator Curator Dietician Medical Physicist	Anaesthetist Audiologist Judge Psychiatrist Psychologist	Archivist Conservator Curator

VOCATIONAL PATHWAY PROFILE CHART

For possible course selection combinations for your 2020 timetable

	Construction and Infrastructure		Manufacturing and Technology		Primary Industries		Service Industries		Social and Community Services		Creative Industries	
	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits
Course 1												
Course 2												
Course 3												
Course 4												
Course 5												
Course 6												
Total Credits												
AWARD												

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).

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	Rcmd. Credits	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits	Sector Related Credits	Rcmd. Credits
Course 1												
Course 2												
Course 3												
Course 4												
Course 5												
Course 6												
Total Credits												
AWARD												

LYNFIELD COLLEGE COURSE FLOW CHART 2020

YEAR 9		YEAR 10		YEAR 11		YEAR 12		YEAR 13			
Drama	→	Drama	→	Drama	L1	→	Drama	L2	→	Drama	L3
Drama & Dance	→	Dance	↗	Dance	L1		Dance	L2	→	Dance	L3
Music	→	Music	→	Music Studies	L1	→	Music Studies	L2	→	Music	L3
				Music Projects	L1 + US	→	Music Projects	L2 + US	↗		
Visual Arts	→	Visual Arts	→	VisArts Paint & Print	L1	→	Visual Arts Paint	L2	→	Visual Arts Paint	L3
Pacific Arts	↗		↘	VisArts DigiMedia	L1	→	Visual Arts Design	L2	→	Visual Arts Design	L3
	↘						Visual Arts Photo	L2	→	Visual Arts Photo	L3
							PE (Leadership)	L2	→	PE(Leadership)	L3
				Physical Education	L1	→	PE (Sport Science)	L2	→	PE(Sport Science)	L3
Phys Ed & Health	→	Phys Ed & Health	→				Sports Studies	L2+US	→	Sports Studies	L3+US
				Health and Rec	L1	→	Health Studies	L2	→	Health Studies	L3
							Outdoor Education	L2	→	Outdoor Education	L3
English	→	English	→	Eng Creative Writing	L1	→	Eng Crafted Writing	L2	→	Eng Crafted Writing	L3
				Eng Formal Writing	L1	→	English	L2	→	English	L3
				Com English	L1	→	Com English	L2	→	Com English	L2/3 US
ESOL	↗		↗	English Academic	L1 US	→	English Academic	L2 US	→	English Academic	L2/3 US
				EFS	L1 US	→	EFS	L2 US	↗		
ELS	→	ELS	→	ELS	L2 US	→	ELS	L2/3 US	↗	ELS	
ELIP	→	ELIP	→	ELIP		→	ELIP		→	ELIP	
Language											
German	→	German	→	German	L1	→	German	L2/(COR)	→	German	L3/(COR)
Japanese	→	Japanese	→	Japanese	L1	→	Japanese	L2/(COR)	→	Japanese	L3/(COR)
Chinese	→	Chinese	→	Chinese	L1	→	Chinese	L2/(COR)	→	Chinese	L3/(COR)
Māori	→	Māori	→	Māori	L1	→	Māori	L2/(COR)	→	Māori	L3/(COR)
							Spanish	L1(COR)	☒		
		Maths L1	→	Maths Advanced	L1	→	Maths Advanced	L2	→		
Maths	→	Maths	→	Maths	L1	→	Maths with Calculus	L2	→	Maths - Calculus	L3
				Maths Units	L1	→	Maths with Statistics	L2	→	Maths - Statistics	L3
				Maths Applied	L1	↘	Maths Units	L2	→	Maths	L3
							Maths Applied	L1/2			
				Sci Biological Adv	L1	→	Biology Adv	L2	→	Biology Adv	L3/Sc
				Science Foundation	L1	↔	Biology	L2	→	Biology	L3
Science	→	Science	→	Science Mainstream	L1	→	Earth & Space Science	L2	→	Earth & Space Science	L3/Sc
		Science L1					Chemistry	L2	→	Chemistry	L3
			↘				Chemistry Adv	L2	→	Chemistry Adv	L3/Sc
				Sci Physical Adv	L1	→	Physics Adv	L2	→	Physics Adv	L3/Sc
							Physics	L2	→	Physics	L3
Social Studies	→	Social Studies	→	History	L1	→	History	L2	→	History	L3
		Social Studies L1	↗		L1	→	Classical Studies	L2	→	Classical Studies	L3
			↘	Geography	L1	→	Geography	L2	→	Geography	L3
							Tourism	L2 US	→	Tourism	L3US
				Media Studies	L1	→	Media Studies	L2	→	Media Studies	L3
				Economics	L1	→	Economics	L2	→	Economics	L3
Business Studies	→	Business Studies					Business	L2	→	Business	L3
				Accounting	L1	→	Accounting	L2	→	Accounting	L3
SPEC	→	SPEC	→	SPEC	L1 US	→	SPEC	L1/2 US			
							Customer Service	L2 US	☒		
							Gateway	L1-3 US		Gateway	L1-3US
		Tech Mat Hard	→	Tech Materials	L1	→	Tech Materials	L2	→	Tech Materials	L3/Sc
	↗			Tech Eng Prac	L1 US	→	Tech Eng Prac	L2 US	☒		
				Tech Mechatronics	L1	→	Mechatronics	L2	→	Tech Mechatronics	L3/Sc
							Automotive	L2US	→	Automotive	L3 US
				Cabinetry	L1 US	→	Carpentry	L2 US	→	Carpentry	L3 US
	↗	Design & Vis Com	→	Design & Visual Com	L1	→	Design & Visual Com	L2	→	Design & Visual Com	L3/Sc
Technology	→	Tech Fashion & Design	→	Tech Fashion & Design	L1	→	Tech Fashion & Design	L2	→	Tech Fashion & Design	L3/Sc
	↘						Tech Fashion Apparel	L2/3 US			
		Food Tech	→	Food & Nutrition	L1	→	Food & Nutrition	L2	→	Food & Nutrition	L3/Sc
							Early Childhood Education	L2 US	→	Early Childhood Ed	L3 US
				Hospitality Intro	L1 US	→	Hospitality	L2 + US	→	Hospitality Barista	L3 US
									→	Hospitality Culinary	L3 US
							Pers & Comm Care	L2 US	→	Pers & Comm Care	L3 US
Digital Tech	→	Digital Tech	→	Digital Tech	L1	→	Digital Tech	L2 + US	→	Digital Tech	L3/Sc

LYNFIELD COLLEGE COURSE CODES 2020

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 and Printmaking)	*	*	L1			ART
AUT	Automotive (Engineering)				L2	L3	TEC
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
CRP	Carpentry				L2	L3	TEC
CSA	Customer Service Award				L2/3	[L2/3]	STS
DAD	Drama and Dance	*					ART
DAN	Dance	*	*	L1	L2	L3	ART
DRA	Drama	*	*	L1	L2	L3	ART
DTG	Digital Technologies			L1	L2	L3	TEC
DVC	Design and Visual Communication (Graphics)	*	*	L1	L2	L3	TEC
EAP	English for Academic Purposes			L1	L2	L3	LAN ESOL
ESS	Earth and 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 and Nutrition			L1	L2	L3	TEC
FOT	Food Technology		*				TEC
GTW	Gateway			L1-3	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	TEC
HOC	Hospitality – Culinary					L3	TEC
HOI	Hospitality – Introduction			L1	[L1]		TEC
HOS	Hospitality				L2	[L2]	TEC
HPR	Health and Recreation			L1			PHE

LYNFIELD COLLEGE COURSE CODES 2020 CONTINUED

CODE	COURSE	9	10	11	12	13	FACULTY
HTH	Health	C*	C*	L1	L2	L3	PHE
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
MPJ	Music Projects			L1/2	L2/3	[L2/3]	ART
MST	Music Studies	*	*	L1	L2	L3	ART
OED	Outdoor Education				L2		PHE
PAD	Programming and Design				L2	L3	TEC
PEL	Physical Education – Leadership				L2	L3	PHE
PES	Physical Education – Sport Science				L2	L3	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	Specific Preparation for Employment and Citizenship	*	*	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 – Mechatronics		*	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 and Business Faculty
LAN	Language and Languages Faculty	STS	Student Services Faculty
MAT	Mathematics and Statistics Faculty	TEC	Technology Faculty



LYNFIELD
COLLEGE

SENIOR COURSE
INFORMATION 2020

LEVEL 1 COURSES 2020

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 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 – 20 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.

ARTS FACULTY (ART)					Faculty Leader: Ms Susan Allpress						
Drama	→	Drama	→	Drama	L1	→↘	Drama	L2	→	Drama	L3
Drama & Dance	→	Dance	↗	Dance	L1	→↗↘	Dance	L2	→	Dance	L3
Music	→	Music	→↘	Music Studies	L1	→↘	Music Studies	L2	→↘	Music	L3
				Music Projects	L1 + US	→	Music Projects	L2 + US	☒		
Visual Arts	→	Visual Arts	→↘	VisArts Paint & Print	L1	→↘	Visual Arts Paint	L2	→	Visual Arts Paint	L3
Pacific Arts	↗		↘	VisArts Digital Media	L1	→↘	Visual Arts Design	L2	→↘	Visual Arts Design	L3
	↘						Visual Arts Photo	L2	→↘	Visual Arts Photo	L3

DIGITAL MEDIA | (11ADM)

Teacher in Charge: Ms Wilma Van Heeswijk

LEVEL: NCEA Level 1 Achievement Standards: **16 Credits**

PREREQUISITES: Achievement in Year 9 or Year 10 Visual Arts is preferable but not essential. Have an interest in drawing and digital art making is required. If new to Art, must seek permission from HOD Visual Arts, Mr Glynn Hambridge.

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 \$20.00. Fee includes drawing materials and an Adobe license which includes Photoshop and other Adobe products.

11ADM			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
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.

VISUAL ARTS | (11ART)

Teacher in Charge: Mr Glynn Hambridge

LEVEL: NCEA Level 1 Achievement Standards: **16 Credits**

PREREQUISITES: Achievement in Year 9 or Year 10 Visual Arts is preferable but not essential. Have an interest in drawing and painting. If new to Art, must seek permission from HOD Visual Arts, Mr Hambridge.

Exclusions: Students in this course may not take 11ADM.

LEARNING ACTIVITIES: Researching, observational drawing, painting, printmaking, collage, art journal documentation, folio presentation, exhibition of artwork.

COST / EQUIPMENT: Materials approximately \$70.00. Fee includes all drawing and painting materials.

11ART			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
AS90914		Use drawing methods and skills 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			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.

DANCE | (11DAN)

Teacher in Charge: Ms Susan Allpress

LEVEL: NCEA Level 1 Achievement Standards: **16 - 20 Credits**

PREREQUISITES: Prior experience in 10DAN is recommended. Experience performing in either cultural dance or the school production is useful. Outside training in any dance genre would be an added advantage but not essential. An ability to work collaboratively in pairs or small groups will be essential for success in this course. Due to the focus on group work, a good attendance record is advised as a prerequisite for entry.

LEARNING ACTIVITIES: Students will further develop their knowledge and understanding of the elements of dance to choreograph and perform a range of original dances. As much as possible the contexts for learning will be integrated to ensure the best learning outcomes for all students. Students will also study specific dance performances and show their understanding of a selected dance in a written external examination.

COST / EQUIPMENT: Costs associated with attending at least one live professional theatre performance.

11DAN			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
AS90858		Compose dance sequences for given briefs	1	6				
AS90002		Perform dance sequences	1	6				
AS90859		Demonstrate ensemble skills in a dance (Optional)	1	4				
AS90861	L	Demonstrate understanding of a dance performance	1					4
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

PATHWAYS / CAREER RELEVANCE: Careers associated with the skills developed in dance include; dancer, choreographer, community and youth work, film and stage performance, movement and fitness trainer, health sciences and teaching. Development of physical skill and performance ability is relevant to situations that require presentation skills. Self-discipline, focus, creativity, confidence, communication and good group and collaborative skills are personal attributes highly valued by employers and tertiary study providers.

DRAMA | (11DRA)

Teacher in Charge: Miss Celia Nicholson

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

PREREQUISITES: Prior experience in junior drama is recommended. Well-developed collaborative skills are essential as there is significant teamwork involved in this course. Students will need to be able to perform in front of an audience. Due to the focus on group work, a good attendance record is essential as a prerequisite for entry.

LEARNING ACTIVITIES: Developing acting technique. Devising original works for theatre. Interpreting scripts and developing character. Viewing and responding to live theatre performance. Utilising drama technologies of lighting, sound and costume for performance projects.

COST / EQUIPMENT: Costs associated with attending two live theatre performances.

11DRA			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
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.

MUSIC STUDIES | (11MST)

Teacher in Charge: Mrs Lisa Norman

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

PREREQUISITES: Grades of mostly Merit or above in Year 10 Music (including the Exam), a range of skills on an instrument (or voice) or permission from HOD Music. Students should have already been learning an instrument for at least a year and attend regular tuition on the instrument they intend to use for performance assessments.

Exclusions: Students in this course cannot take 11MPJ.

LEARNING ACTIVITIES: Group performance skills, composition, theory knowledge, aural skills, music technology.

COST / EQUIPMENT: Must own or hire an instrument for home practice and attend regular tuition (school or private).

11MST			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			
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

PATHWAYS / CAREER RELEVANCE: Composer, arranger, performer, instrumental teacher, education, audio engineer, songwriter.

MUSIC PROJECTS | (11MPJ)

Teacher in Charge: Mrs Lisa Norman

LEVEL: NCEA Level 1 Achievement and Unit Standards: **20 Credits**

PREREQUISITES: Basic skills on an instrument (or voice) as well as an interest in performing music in a group, composing original music/songs and using music technology to sequence and record music.

Exclusions: Students in this course cannot take 11MST.

LEARNING ACTIVITIES: Building instrumental skills, composition, basic theory knowledge, aural skills, music technology.

COST / EQUIPMENT: Owning or hiring an instrument for home practice is recommended.

11MST			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				
US27656		Demonstrate and apply introductory knowledge of music technology equipment and techniques	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, education, audio engineer, songwriter.

HEALTH AND PHYSICAL EDUCATION FACULTY (PHE)

Faculty Leader: Mrs Kat Wells

							Physical Education (Leadership)	L2	→↔	Physical Education (Leadership)	L3
				Physical Education	L1	→↔	Physical Education (Sport Science)	L2	→↔	Physical Education (Sport Science)	L3
Physical Ed & Health	→	Physical Ed & Health	→↔				Sports Studies	L2+US	→	Sports Studies	L3+US
				Health and Rec	L1	→↔	Health Studies	L2	→	Health Studies	L3
							Outdoor Education	L2	→	Outdoor Education	L3

HEALTH AND PHYSICAL RECREATION | (11HPR) Teachers in Charge: Mr Greg Burne and Mrs Kat Wells

LEVEL: NCEA Level 1 Achievement Standards: 17 Credits

PREREQUISITES: None

LEARNING ACTIVITIES: The course will draw on aspects of Health and Physical Education, Sport, Outdoor Education and Sociology that are fun and relevant to teenagers growing up in today's busy and often challenging environment. The Health component will focus on skills for positive mental health and wellbeing including identity, self-awareness and interpersonal skills. The Recreation component will focus on participating in and enjoying physical activity and outdoor challenges, mental and physical health while also developing interpersonal skills for life.

COST / EQUIPMENT: \$40 for Outdoor Education activities. Lynfield College Physical Education Gear is required.

11HPR			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
AS90973	L	Demonstrate understanding of interpersonal skills used to enhance relationships	1	5				
AS91097	L	Demonstrate understanding of ways in which wellbeing can change and strategies to support wellbeing	1	4				
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				
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

PATHWAYS / CAREER RELEVANCE: Pathways into Level 2 Health Studies, Level 2 Outdoor Education and Level 2 Physical Education. Physical education teaching, sports medicine, physiotherapy, recreation and health related careers including medicine, nursing, politics, public health, community health work, social work, psychology, sociology, alcohol and drug counselling, health promotion, sport and exercise science, physiotherapy, occupational therapy etc.

PHYSICAL EDUCATION | (11PHE)

Teacher in Charge: Mr Greg Burne

LEVEL: NCEA Level 1 Achievement Standards: 17 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 and is predominantly theory based. It will offer you the opportunity to experience and participate in a range of physical activities, in a variety of contexts. You will study how the body moves and responds to physical activity. The focus of this course is to equip you with the necessary skills to progress to Level 2 and Level 3 Physical Education.

COST / EQUIPMENT: \$75 for the participation in recreational activities in the community. Lynfield College physical education gear is required as well as a device with video capability.

11PHE			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				
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

PATHWAYS / CAREER RELEVANCE: It is intended that students who plan to continue with Physical Education in Level 2 and 3 will take this course.

LANGUAGE AND LANGUAGES FACULTY (LAN)

Faculty Leader: Ms Cathy Feist

English	→	English	→	English creative writing	L1	→	English crafted writing	L2	→	English crafted writing	L3
			↘	English formal writing	L1	→	English	L2	→	English	L3
				Com English	L1	→	Com English	L2	→	Com English	L2/3 US
ESOL	↗		↗	English Academic	L1 US	→	English Academic	L2 US	→	English Academic	L2/3 US
				EFS	L1 US	→	EFS	L2 US	↔		
ELS	→	ELS	→	ELS	L2 US	→	ELS	L2/3 US	↔	ELS	
ELIP	→	ELIP	→	ELIP		→	ELIP		→	ELIP	
										Adults ESOL	
Language											
German	→	German	→	German	L1	→	German	L2/(COR)	→	German	L3/(COR)
Japanese	→	Japanese	→	Japanese	L1	→	Japanese	L2/(COR)	→	Japanese	L3/(COR)
Chinese	→	Chinese	→	Chinese	L1	→	Chinese	L2/(COR)	→	Chinese	L3/(COR)
Māori	→	Māori	→	Māori	L1	→	Māori	L2/(COR)	→	Māori	L3/(COR)
							Spanish	L1(COR)	☒		

COMMUNICATIONS ENGLISH | (11CEN)

Teacher in Charge: Ms Cathy Feist

LEVEL: NCEA Level 1 Unit Standards: **15 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				<i>NOT eligible for Course Endorsement</i>		CREDITS	
STANDARD	L/N	TITLE		LEVEL	INT	EXT	
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		
US3483		Writing – fill in a form		1	2		
<i>Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy</i>							

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.

ENGLISH – CREATIVE WRITING | (11ENC)

Teacher in Charge: Ms Cathy Feist

LEVEL: NCEA Level 1 Achievement Standards: **18 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				<i>Eligible for Course Endorsement</i>		CREDITS	
STANDARD	L/N	TITLE		LEVEL	INT	EXT	
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		
<i>Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy</i>							

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

ENGLISH – FORMAL WRITING | (11ENF)

Teacher in Charge: Ms Cathy Feist

LEVEL: NCEA Level 1 Achievement Standards: **17 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.

11ENF			Eligible for Course Endorsement			CREDITS		
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			
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				
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.

TE REO MĀORI | (11MAO)

Teacher in Charge: Mrs Jennifer Leauga

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

PREREQUISITES: Year 10 Māori is recommended. Must have permission from Mrs Leauga 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 with an additional language.

LEARNING ACTIVITIES: This course contains practical and theory-based activities and will have ākongā 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-Kapahaka and museum. Bi-annual cultural exchange to Rarotonga (\$2500 approximately).

11MAO			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
AS91086	L	Kōrero kia whakamahi i te reo o tōna ao	1	6				
AS91087	L	Pānui kia mōhio ki te reo o tōnaao	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 the above careers, and knowledge of tikanga Māori will improve employment prospects.

ENGLISH FOR ACADEMIC PURPOSES | (11EAP)

Teacher in Charge: Mr Chris Bangs

LEVEL: NCEA Level 1 Achievement Standards and Level 2 English Language (EL) Unit Standards: **24 Credits** depending on mix, including literacy component.

PREREQUISITES: Completion of Year 10 English or equivalent.

LEARNING ACTIVITIES: 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/use of library. **COST / EQUIPMENT:** Exercise book and usual writing equipment. An online subscription to be advised.

11EAP			NOT eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
US30980		Demonstrate understanding of a straightforward spoken text on a familiar topic (EL)	2	5				
US27999		Write basic or simple information texts on familiar topics (EL)	2	5				
US30995		Read and understand a straightforward text on a familiar topic (EL)	2	5				
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

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

ENGLISH LANGUAGE SUPPORT ESOL | (11ELS)

Teacher in Charge: Mr Chris Bangs

LEVEL: Level 2 English Language (EL) Unit Standards: **10 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 enrol 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			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
US30104		Participate in a straightforward spoken interaction on a familiar topic (EL)	2	5				
US27996		Write simple texts on everyday topics (EL)	1	5				

Notes: L = Contributes to 10 credits L1 Literacy | N = contributes to 10 credits L1 Numeracy

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.

ENGLISH FOR FURTHER STUDY | (11EFS)

Teacher in Charge: Mr Chris Bangs

LEVEL: NCEA Level 1 and 2 English Language (EL) Unit Standards **20 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. An online subscription to be advised.

11EFS			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
US30980		Demonstrate understanding of a straightforward spoken text on a familiar topic (EL)	2	5				
US27999		Write basic or simple information texts on familiar topics (EL)	2	5				
US27996		Write simple texts on everyday topics (EL)	1	5				
US30995		Participate in simple spoken exchanges on personal and familiar topics (EL)	2	5				

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 in 12EFS next year.

CHINESE (MANDARIN) | (11CHI)

Teacher in Charge: Ms Judy Fang

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 Levels 5 and 6. A variety of tasks to develop the four key language skills: listening, reading writing and speaking in the following areas: Family and pets, countries and languages, sports and recreation, school and friends, eating and drinking, daily routines and occasions, home and location, clothes and shopping. Students can understand and produce more complex language and can communicate beyond the immediate context.

COST / EQUIPMENT: \$ 29.90 for the workbook, \$ 25 for Language Perfect - online vocabulary tool for use at home (annual fee).

11CHI			<i>Eligible for Course Endorsement</i>			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				

Notes: L = Contributes to 10 credits L1 Literacy | N = contributes to 10 credits L1 Numeracy

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

GERMAN | (11GER)

Teacher in Charge: Ms Heike Zimmer

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 5 and 6. 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, hometown, region, country holidays and travel, geography and weather, people and things - their appearance and qualities, making social arrangements - entertainment. Students get the opportunity to participate in the Auckland Goethe Society Examinations.

COST / EQUIPMENT: \$36 for workbook, \$25 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				
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

PATHWAYS / CAREER RELEVANCE: Business, diplomatic service, trade, foreign banking, community service, international law, tourism, science, engineering, technology, politics, music, education.

JAPANESE | (11JAP)

Teacher in Charge: Miss Jay Kim

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: This course covers the national curriculum at Levels 5 and 6. A variety of tasks to develop the four key language skills: listening, reading, writing, and speaking. Areas studied: Free-time, neighbourhoods, shopping, sport and leisure, school life, town and directions, travel and holidays. Students may apply for either our 5-week or 18-day exchanges to Japan set to depart in 2020.

COST / EQUIPMENT: \$25 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				
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

PATHWAYS / CAREER RELEVANCE: Trade, education, JET programme (international relations / translating), hospitality and tourism. Services for Japanese living in New Zealand (doctor, accountant, lawyer, real estate, banking etc.).

MATHEMATICS AND STATISTICS FACULTY (MAT)

Faculty Leader: Ms Caitlin Clock

		Maths L1	➔	Maths Advanced	L1	➔	Maths Advanced	L2	➔➔		
Maths	➔	Maths	➔➔	Maths	L1	➔➔	Maths with Calculus	L2	➔	Maths - Calculus	L3
				Maths Units	L1	➔➔	Maths with Statistics	L2	➔	Maths - Statistics	L3
				Maths Applied	L1	➔	Maths Units	L2	➔➔	Maths	L3
							Maths Applied	L1/2			

MATHEMATICS AND STATISTICS/ADVANCED | (11MAX/MAA) Teacher in Charge: Ms Caitlin Clock

LEVEL: NCEA Level 1 Achievement Standards: **19 Credits (20 Credits MAA)**

PREREQUISITES: Year 10 Mathematics. This course is designed for students who are working at Curriculum Level 5 by the end of Year 10 in mathematics. Students will be selected for an advanced programme from those who have a high level of achievement along with an excellent work ethic.

LEARNING ACTIVITIES: Mathematics course includes units of work from within number, algebra, measurement, geometry, and statistics strands using written and practical methods of study.

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

11MAX/11MAA		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	
AS91035	L/N	Investigate a given multivariate data set using the statistical enquiry cycle	1	4			
11MAX ONLY							
AS91032	N	Apply right-angled triangles in solving measurement problems	1	3			
11MAA ONLY							
AS91031	N	Apply geometric reasoning in solving problems	1			4	

Notes: L = Contributes to 10 credits L1 Literacy | N = contributes to 10 credits L1 Numeracy

PATHWAYS / CAREER RELEVANCE: Leads on to 12MAC or 12MAS. Students develop skills in investigating patterns, solving problems with an analytical focus and presenting logical arguments.

MATHEMATICS – UNITS | (11MAT)

Teacher in Charge: Mr Keith Paine

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

PREREQUISITES: Year 10 Mathematics. This course is designed for students who are working at Curriculum Level 4 at the end of Year 10 in Mathematics.

LEARNING ACTIVITIES: General Mathematics course includes units of work from within number, algebra, measurement, geometry, and statistics strands using written and practical methods of study.

COST / EQUIPMENT: Scientific calculator essential.

11MAT		NOT eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT		
AS91026	N	Apply numeric reasoning in solving problems	1	4			
AS91029	N	Apply linear algebra in solving problems	1	3			
AS91030	N	Apply measurement 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			
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. This course is designed for students who are interested in continuing their study in mathematics. Successful completion leads to Level 2 (12MAT) in the following year.

MATHEMATICS – APPLIED | (11MAP)

Teacher in Charge: Mrs Suparna Prasad

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

PREREQUISITES: Year 10 Mathematics. This course is designed for students who are working below Curriculum Level 4 at the end of Year 10 in Mathematics.

LEARNING ACTIVITIES: Basic mathematics course, including units of work from within number, measurement and statistics strands using written and practical methods of study.

COST / EQUIPMENT: Scientific calculator, ruler, protractor.

11ADM			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
US26623	N*	Use numbers 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								

PATHWAYS / CAREER RELEVANCE: An important basis for life skills and study in many other courses.

SCIENCE FACULTY (SCI)					Faculty Leader: Mr Rob Eyre						
				Sci Biological Adv	L1	→↘	Biology Adv	L2	→↘	Biology Adv	L3/Sc
			↗	Science Foundation	L1	↔↔↔	Biology	L2	→↗	Biology	L3
Science	→↘	Science	→↗	Science Mainstream	L1	→↗↘	Earth & Space Science	L2	→	Earth & Space Science	L3/Sc
		Science L1				↘	Chemistry	L2	→↘	Chemistry	L3
			↘			↗	Chemistry Adv	L2	→↗	Chemistry Adv	L3/Sc
				Sci Physical Adv	L1	→↗↘	Physics Adv	L2	→↘	Physics Adv	L3/Sc
						↘	Physics	L2	→↗	Physics	L3

SCIENCE – BIOLOGY | (11SCB)

Teacher in Charge: Miss Sarah Parker

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 based on 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 must be completed 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	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, forestry, biotechnology, ecology, wildlife management, agriculture and forensics.

SCIENCE – FOUNDATION | (11SCF)

Teacher in Charge: Mr Rob Eyre

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

PREREQUISITES: Completion of 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				
AS90954	L	Demonstrate understanding of the effects of astronomical cycles on planet Earth	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: L = Contributes to 10 credits L1 Literacy | N = contributes to 10 credits L1 Numeracy | ■ = Prerequisite for L2 Earth and Space Science

PATHWAYS / CAREER RELEVANCE: By the end of this course, successful students will have the necessary background to progress to the Level 2 Biology and/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.

SCIENCE – MAINSTREAM | (11SCM)

Teacher in Charge: Mr Rob Eyre

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 \$20

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: L = Contributes to 10 credits L1 Literacy | N = contributes to 10 credits L1 Numeracy | ★ = Prerequisite for L2 Physics
 ♦ = Prerequisite for L2 Chemistry | ■ = Prerequisite for L2 Biology

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.

SCIENCE – PHYSICAL | (11SCP)

Teacher in Charge: Mr Ashwin Reddy and Ms Urmila Mehta

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.

Prerequisite A: 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**

Prerequisite B: 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 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 approximately \$35; ICAS Science Exam \$8.50; and calculator is essential.

11SCP			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT	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: L = Contributes to 10 credits L1 Literacy | N = contributes to 10 credits L1 Numeracy | ★ = Prerequisite for L2 Physics
 ♦ = Prerequisite for L2 Chemistry

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 courses (see Physics (Advanced) and Chemistry (Advanced)). 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.

SOCIAL SCIENCES AND BUSINESS FACULTY (SST)

Faculty Leader: Ms Therese Marshall

Social Studies	→	Social Studies	↔	History	L1	↔	History	L2	→	History	L3
		Social Studies L1	↔		L1	↔	Classical Studies	L2	→	Classical Studies	L3
			↔	Geography	L1	↔	Geography	L2	→	Geography	L3
							Tourism	L2 US	→	Tourism	L3US
				Media Studies	L1	↔	Media Studies	L2	→	Media Studies	L3
				Economics	L1	↔	Economics	L2	→	Economics	L3
Business Studies	→	Business Studies					Business Studies	L2	→	Business Studies	L3
				Accounting	L1	↔	Accounting	L2	↔	Accounting	L3

GEOGRAPHY | (11GEO)

Teacher in Charge: Mr Bevan Welsh

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 \$23. Field trip – two days to Rotorua and a dairy farm, approximately \$195.

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)

Teacher in Charge: Ms Bronwen Wilson

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

PREREQUISITES: None

LEARNING ACTIVITIES: The Year 11 course deals with some of the major issues of the 20th century such as: New Zealanders at war, black civil rights in the United States 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			
AS91001	L	Carry out an investigation 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.

ACCOUNTING | (11ACC)

Teacher in Charge: Mr Ravi Reddy

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			
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: 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 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.

ECONOMICS | (11ECO)

Teacher in Charge: Mr Ravi Reddy

LEVEL: NCEA Level 1 Achievement Standards: **16 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			
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
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 an excellent one year course that provides general educational skills for everyday living.

MEDIA STUDIES | (11MED)

Teacher in Charge: Ms Sherry Wagner

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

PREREQUISITES: Two Achieved grades in the Year 10 Social Studies and/or English exams or TIC approval.

LEARNING ACTIVITIES: Media will interest those who are keen to explore the world around them, examine the landscape of media culture and become aware of how it shapes us and how we shape it. This course is ideal for students with a creative flair who are interested in analysing how the media works. Throughout the year, students will engage with analysis of print advertising, issues and use of social media, and the relationship between genre and society. They will also plan and make their own instructional video. The course expects students to take an interest in current events, political and social issues, and that they have strong written skills.

COST / EQUIPMENT: Students need a 16GB SD card. They also need out-of-school access to a computer and internet. Students may use their own camera equipment if they prefer.

11MED			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
AS90990	L	Demonstrate understanding of selected elements of media text(s)	1	3				
AS90989	L	Demonstrate understanding of how individuals interact with the media	1	3				
AS90992	L	Demonstrate understanding of characteristics of a media genre	1		4			
AS90993		Produce a design and plan for a media product using a specified range of conventions	1	3				
AS90994		Complete a media product from a design and plan, using a specified range of conventions	1	6				
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

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.

STUDENT SERVICES FACULTY (STS)

Faculty Leader: Ms Deborah Kevany

SPC	→	SPC	→	SPC	L1 US	→	SPC	L1/2 US		
							Customer Services	L2 US	<input checked="" type="checkbox"/>	
							Gateway s	L1-3 US		Gateway s L1-3US

SPECIFIC PREPARATION FOR EMPLOYMENT AND CITIZENSHIP | (11SPC)

Teacher in Charge: Mrs Shamila Singh

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

PREREQUISITES: None

LEARNING ACTIVITIES: Students are required to complete tasks and present an organised portfolio with evidence of tasks and key competency development for internal verification. The focus of being able to manage yourself, set targets, work with others and problem solve are skills for 'lifelong learning' whether you go on to higher education or out into the workplace. Students are given the choice of selecting their own tasks.

METHODS: Self-directed Learning under the guidance of a tutor, with all records kept in the course book and portfolio.

COST / EQUIPMENT: N/A

11SPC		<i>NOT eligible for Course Endorsement</i>			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			
US526		Describe community services	1	2			
US504		Produce a CV	1	2			
US12358		Demonstrate knowledge of purchasing household consumables	1	3			
US496		Manage personal wellbeing	1	3			

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.

TECHNOLOGY FACULTY (TEC)

Faculty Leader: Ms Sonia Wensor

		Tech Mat Hard	→	Tech Materials	L1	→↘	Tech Materials	L2	→	Tech Materials	L3/S
	↗			Tech Eng Prac	L1 US	→↘	Tech Eng Prac	L2 US	☒		
				Tech Mechatronics	L1	→↘	Mechatronics	L2	→↗	Tech Mechatronics	L3/S
						↘	Automotive	L2US	→	Automotive	L3 US
				Cabinetry	L1 US	→	Carpentry	L2 US	→↗	Carpentry	L3 US
	↗	Design & Vis Com	→	Design & Vis Com	L1	→	Design & Vis Com	L2	→	Design & Vis Com	L3/S
Technology	→	Tech Fash & Des	→	Tech Fash & Design	L1	→↘	Tech Fash & Design	L2	→	Tech Fash & Des	L3/S
	↘						Tech Fash Apparel	L2/3 US			
		Food Tech	→	Food & Nutrition	L1	→	Food & Nutrition	L2	→	Food & Nutrition	L3/S
							Early Childhood Education	L2 US	→	Early Childhood Education	L3 US
				Hospitality Intro	L1 US	→	Hospitality	L2 + US	→↘	Hospitality Barista	L3 US
										Hospitality Advanced	L3 US
							Personal & Community Care	L2 US	→	Personal & Community Care	L3 US
Digital Tech	→	Digital Tech	→	Digital Tech	L1	→↘	Digital Tech	L2 + US	→	Digital Tech	L3/S
Robotics	→↘	Robotics					Info Tech Web	L2 + US	↗		
		Mechatronics					Programming & Web	L2 + US	→	Programming & Design	L3/S

CABINETRY | (11CAB)

Teacher in Charge: Mr Craig Yearbury

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		<i>NOT eligible for Course Endorsement</i>				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			
<i>Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy</i>							

PATHWAYS / CAREER RELEVANCE: This course links to the manufacturing and technology sector pathway and encompasses the following sector related careers: Architectural technician, boatbuilder, cabinetmaker, material engineer, machinery operator, locksmith, joiner, furnituremaker, picture framer, saw doctor, builder, construction worker, and trade careers. Y11 Cabinetry introduces students to foundation joinery and construction skills.

DESIGN AND VISUAL COMMUNICATION | (11DVC)

Teacher in Charge: Mrs Sonia Wensor

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 spatial design as well as product 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.

COST / EQUIPMENT: \$25

11DVC			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT	LEVEL	INT	EXT
AS91063		Produce freehand sketches to communicate design ideas	1			1		3
AS91064	N	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas	1			1		3
AS91067		Use the work of an influential designer to inform design ideas	1	3		1	3	
AS91068		Undertake development of design ideas through graphics practice	1	6		1	6	
AS91069		Promote an organised body of work to an audience using visual communication techniques	1	4		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 course provides vocational pathways in construction and infrastructure, manufacturing and technology and creative industries. Careers in these industries include: Architect, carpenter, quantity surveyor, engineer, artist, media designer and advertising executive among many others.

HOME ECONOMICS – FOOD AND NUTRITION | (11FAN) Teacher in Charge: Mrs Sheena Matheson

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 labelling, analysis of own eating pattern.

COST / EQUIPMENT: \$60.

11FAN			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT	LEVEL	INT	EXT
AS90956		Plan, prepare and serve food to meet the nutritional needs of a nominated individual	1	5		1	5	
AS90958	L	Describe how cultural practices influence eating patterns in New Zealand	1	5		1	5	
AS90959	L	Demonstrate knowledge of practices and strategies to address food handling issues	1	5		1	5	
AS90961	L	Describe how nutritional information and packaging can influence food choices and well-being	1		4	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 University Entrance.

HOSPITALITY - INTRODUCTION | (11HOI)

Teacher in Charge: Mrs Stephanie Van Niekerk

LEVEL: NCEA Level 1 Unit Standards: **18 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 1B5 book. Uniform for practical lessons must include covered shoes and hair net. No facial piercings and false fingernails are allowed.

11HOI			<i>NOT eligible for Course Endorsement</i>			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				
US19970		Prepare and present egg and cheese dishes 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				
US15919		Prepare and present hot finger food in the hospitality industry	1	2				
US497		Demonstrate knowledge of workplace health and safety requirements	1	3				
<i>Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy</i>								

PATHWAYS / CAREER RELEVANCE: This is the first step towards a career pathway into the hospitality industry. Careers include air stewardship, tourism related, hotel management related, café work and restaurant work. Leads into L2 Vocational Pathways award.

TECHNOLOGY – ENGINEERING PRACTICAL | (11TEP)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 1 Unit Standards: **17 Credits**

PREREQUISITES: Year 10 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 US497 within the specified time frame in Term 1 to continue with this course.

COST / EQUIPMENT: \$60

11TEP			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
US497		Demonstrate knowledge of workplace health and safety requirements	1	3				
US22923		Demonstrate basic engineering workshop skills under close supervision	1	12				
US4433		Select, use and care for simple measuring devices used in engineering	1	2				
<i>Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy</i>								

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, apprenticeships, engineering, construction, fitter/turner, machinist, roofer, steel workers, building, aluminium fabricators, fencing, and many more. Students build the foundation skills needed for all trade careers.

TECHNOLOGY MATERIALS HARD | (11TMH)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 1 Achievement Standards: **16 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 US497 within the specified time frame in Term 1 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 modelling supports decision making	1		4	
AS91057		Implement basic procedures using resistant materials to make a specified product	1	6		
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.

TECHNOLOGY MECHATRONICS | (11TEL)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 1 Achievement Standards: **16 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 US497 within the specified time frame in Term 1 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		
AS91050	L	Demonstrate understanding of the role of subsystems in technological systems	1		4	
AS91881		Develop an electronics outcome	1	6		
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. It encompasses these sector related careers: Electronics engineer, electrician, mechanical engineer technician, electronics trades, production manager, technical writer, sound technician or lead to further study for a degree in electronics engineering, technology, robotics or mechatronics.

TECHNOLOGY – FASHION AND DESIGN | (11TFD)

Teacher in Charge: Mrs Sonia Wensor

LEVEL: NCEA Level 1 Achievement Standards: **19 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: In this course students will focus on designing garments inspired by a chosen design influence. They will learn to analyse the work of influential designers and embed the key design principles into their own garment design. Technical skills of drafting and making made to measure patterns and practicing construction techniques enable students to complete their final design to a quality finish. Course work is project based and completed in a portfolio and an external report completed in Term 3.

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				
AS91046		Use design ideas to produce a conceptual design for an outcome to address a brief	1	6				
AS91049	L	Demonstrate understanding of how materials enable technological products to function	1		4			
AS91058		Implement basic procedures using textiles materials to make a specified product	1	6				
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

PATHWAYS / CAREER RELEVANCE: A study of Fashion and Design opens the way to a wide variety of careers and interests. The course provides vocational pathways into construction and infrastructure, manufacturing and technology and the 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. Leads to pathways involving critical analysis, marketing and project management through a creative design process.

DIGITAL TECHNOLOGIES | (11DTG)

Teacher in Charge: Mrs Sue Green

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

PREREQUISITES: Students should have covered a one year DTG course or with the approval of the HOD.

LEARNING ACTIVITIES: This course offers a variety of skills in a DTG context including research, design, report writing, html web-coding, and programming using Python.

COST / EQUIPMENT: \$15

11DTG			Eligible for Course Endorsement			CREDITS		
STANDARD	L/N	TITLE	LEVEL	INT	EXT			
AS91886	L	Demonstrate understanding of human computer interaction	1		3			
AS91878		Develop a design for a digital outcome	1	3				
AS91879	L	Develop a digital outcome to manage data	1	4				
AS91880	L	Develop a digital media outcome	1	4				
AS91076		Develop a computer program	1	4				
Notes: L = Contributes to 10 credits L1 Literacy N = contributes to 10 credits L1 Numeracy								

PATHWAYS / CAREER RELEVANCE: This course leads to further study in digital technologies and a greater understanding of the digital technologies used in our daily lives. The 11DTG course provides vocational pathways into the creative industries, manufacturing and technology and service industries. Careers in these industries include computer programmer, graphic designer, electronic engineer, animator, architect, digital media designer, advertising administrator, marketing executive, personal assistant, and teacher.



LYNFIELD
COLLEGE

SENIOR COURSE
INFORMATION 2020

LEVEL 2 AND 3 COURSES 2020

Year 12, NCEA Level 2

- All students must take a programme of six courses
 - All students must do FOUR 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.
 - Students 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 courses that will support these.
-

Year 13, NCEA Level 3

- 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.
 - 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.
-

ARTS FACULTY (ART)					Faculty Leader: Ms Susan Allpress						
Drama	→	Drama	→	Drama	L1	↔	Drama	L2	→	Drama	L3
Drama & Dance	→	Dance	↔	Dance	L1	↔	Dance	L2	→	Dance	L3
Music	→	Music	↔	Music Studies	L1	↔	Music Studies	L2	↔	Music	L3
				Music Projects	L1 + US	→	Music Projects	L2 + US	☒		
Visual Arts	→	Visual Arts	↔	Vis.Arts Paint & Print	L1	↔	Visual Arts Paint	L2	→	Visual Arts Paint	L3
Pacific Arts	↔		↔	Vis.Arts Digital Media	L1	↔	Visual Arts Design	L2	↔	Visual Arts Design	L3
	↔						Visual Arts Photo	L2	↔	Visual Arts Photo	L3

VISUAL ARTS - DESIGN | (12ARD)

Teacher in Charge: Mr Glynn Hambridge

LEVEL: NCEA Level 2 Achievement Standards: **16 Credits**

PREREQUISITES: 12 credits Level 1 Visual Arts, Level 1 Digital Media, Level 1 Design and Visual Communication is preferable. If new to Art students must seek permission from HOD Visual Arts (Mr Hambridge). Some ability in freehand drawing and Photoshop 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 \$70.00. Students may need to purchase specialist printing paper and additional printing credit during the year, up to \$20.00. A 4Gb pen-drive is also required. The \$70.00 fee also includes an Adobe software license.

12ARD				Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91310		Use drawing methods to apply knowledge of conventions appropriate to design	2	4				
AS91320		Produce a systematic body of work that shows understanding of art making conventions and ideas within design	2		12			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12ARD VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits							4	
Recommended Credits							12	

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.

● VISUAL ARTS - DESIGN | (13ARD)

Teacher in Charge: Mr Glynn Hambridge

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

PREREQUISITES: 12 credits NCEA Level 1 Art or ADM. Level 2 Design, Visual Arts, Photography, Design and Visual Communication, Fashion Design. If new to Visual Art and Design, students must seek permission from HOD Visual Arts (Mr Hambridge).

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 \$90.00 (A reduced fee of \$40.00 is offered to students who have materials left over from Level 2 Design). 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. The \$90.00 fee also includes an Adobe software license and folio courier fee to Wellington.

13ARD				Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
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			
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 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.

VISUAL ARTS - PAINTING | (12ARP)

Teacher in Charge: Ms Wilma van Heeswijk

LEVEL: NCEA Level 2 Achievement Standards: **16 Credits**

PREREQUISITES: Permission from the HOD of Visual Arts or 12 credits Level 1 Visual Arts Painting or Level 1 Digital Media.

Exclusions: a maximum of TWO Visual Arts courses may be taken.

LEARNING ACTIVITIES: Practical work, drawing acrylic or water colour painting or drawing and digital painting. Research of artist models of practice that influence the generation and development of artworks and presentation of a portfolio of work.

COST / EQUIPMENT: Materials starter pack related to the selection of media at the beginning of the year. Students to select either acrylic or water colour approximately **\$70.00** or digital painting **\$30.00**. Extra cost for digital painting option related to printing costs approximately **\$30.00**. There is also an additional minimal cost for Adobe license for the year. Having a Wacom tablet and a personal computer is also recommended for the digital painting option.

12ARP			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
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	
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>							
12ARP VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							4
Recommended Credits							12

PATHWAYS / CAREER RELEVANCE: The development of practical and investigative skills this course lead to are the creative industries, the study of fine arts, graphic art, photography, architecture, design, special design, education, game and animation art and design, the film industry, museum and gallery curating, textile design, jewellery design, magazine and book design.

● VISUAL ARTS – PAINTING/PRINTMAKING | (13ARP) Teacher in Charge: Ms Wilma van Heeswijk

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

PREREQUISITES: Permission from the HOD of Visual Arts or 12 credits Level 2 Visual Arts Painting or Level 2 Design, Level 2 Photography.

Exclusions: a maximum of TWO Visual Arts courses may be taken.

LEARNING ACTIVITIES: Practical work in drawing and acrylic painting and or drawing and digital painting. The generation of a theme, brainstorm and clarification of ideas. Research models of practice that influence the generation and development of artworks and presentation of a portfolio of work.

COST / EQUIPMENT: Materials starter pack related to the selection of media at the beginning of the year. Students to select either acrylic or water colour approximately **\$95.00** or digital painting **\$30.00**. Extra cost for digital painting option related to printing costs approximately **\$30.00**. There is also an additional minimal cost for Adobe license for the year. Having a Wacom tablet and a personal computer is also recommended for the digital painting option.

13ARP			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
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	
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>							

PATHWAYS / CAREER RELEVANCE: The practical and investigative skills developed from this course leads to the creative industries, the study of fine arts, graphic art, photography, architecture, design, spatial design, education, game and animation art and design, the film industry, museum and gallery curating, textile design, jewellery design, magazine and book design.

VISUAL ARTS - PHOTOGRAPHY | (12PHO)

Teacher in Charge: Ms Virginia Stead

LEVEL: NCEA Level 2 Achievement Standards: **16 Credits**

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

LEARNING ACTIVITIES: Creative photography established practice (portrait, still life, landscape, collage), image analysis, visual literacy, camera techniques, lighting techniques, digital skills (Photoshop), 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 \$20 on course notes and proof sheets. Own digital SLR camera is advantageous (the department has several cameras available for hire including tripods). Pack also includes a 16 Gb USB pen-drive and an Adobe license for the year.

12PHO			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91312		Use drawing methods to apply knowledge of conventions appropriate to photography	2	4			
AS91322		Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	2			12	
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12PHO VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							4
Recommended Credits							12

PATHWAYS / CAREER RELEVANCE: This course leads to Level 3 Photography, tertiary study and careers in photography, e.g. commercial, forensics, industrial, medical, fashion, documentary, visual arts photography and allied fields such as visual arts, design, screenprinting, publishing, photo journalism, photo finishing, museum and gallery curating, and education.

● VISUAL ARTS PHOTOGRAPHY | (13PHO)

Teacher in Charge: Ms Virginia Stead

LEVEL: NCEA Level 3 Achievement Standards: **18 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: Creative photography, image analysis, visual literacy, camera techniques, lighting techniques, digital skills (Photoshop), journal documentation, folio presentation, gallery visits, exhibition of photography

COST / EQUIPMENT: Materials starter pack including A3 photographic inkjet paper, costs \$140. During the course students will also be required to spend up to \$20 printing course notes and proof sheets. Own digital SLR camera is useful. (the department has several cameras available for hire including tripods). Pack also includes a 16 Gb USB pen-drive, Adobe license for the year, folio packaging and courier fee to Wellington.

13PHO			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
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 (e.g. 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.

DRAMA | (12DRA)

Teacher in Charge: Ms Susan Allpress

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

PREREQUISITES: 12 NCEA Level 1 credits or permission from HOD Drama. There is a significant amount of group work involved in this course, so a good attendance record and positive team work skills are essential pre-requisites.

LEARNING ACTIVITIES: Practical work in drama techniques of movement, body and voice, script and text analysis, plus character development. Devising original works for performance incorporating theatre technologies of lighting, sound and costume.

COST / EQUIPMENT: Admission and transport costs associated with attending two professional 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	2	4			
AS91214		Devise and perform a drama to realize an intention.	2	5			
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		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							18
Recommended Credits					5		

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 co-operative skills are personal attributes valued by employers and tertiary study providers. Learning in Drama supports and complements 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, community and social work.

DANCE | (12DAN)

Teacher in Charge: Ms Susan Allpress

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

PREREQUISITES: Previous experience and learning from 10DAN – NCEA Level 1 is essential. Experience dancing in the school production or cultural dance will be an advantage. Prior training in any dance genre will be an added advantage. A good track record of attendance is **essential** due to the collaborative nature of much of the work undertaken. If unsure of your experience level, please see HOD Drama and Dance.

LEARNING ACTIVITIES: This is a largely practical course with the focus on exploring the elements of dance, choreographic devices and developing technique. 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 performances will support appreciation 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 dance 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 into a single learning context. This may include performance and choreography undertaken through extracurricular involvement.

COST / EQUIPMENT: Admission cost associated with attending one or two professional live dance performances.

12DAN			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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		Provide an interpretation of a dance with supporting evidence	2		4		
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12DAN VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							18
Recommended Credits							

PATHWAYS / CAREER RELEVANCE: Careers associated with the skills developed in dance include; dancer, choreographer, community and youth work, film and stage performance, movement and fitness trainer, health sciences and teaching. Development of physical skill and performance ability is relevant to situations that require presentation skills. Self-discipline, focus, creativity, confidence, communication and good group and collaborative skills are personal attributes highly valued by employers and tertiary study providers.

● DRAMA | (13DRA)

Teacher in Charge: Miss Celia Nicholson

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

PREREQUISITES: 12 NCEA Level 1 and or Level 2 Drama credits are preferable. However, experience in performance through the school production or related community theatre involvement would be considered. Students may seek entry permission from the HOD if they are interested 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, plus group and paired performance. Script interpretation and live theatre analysis.

COST / EQUIPMENT: Admission and transport costs associated with attending two professional live theatre performances.

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				
AS91517	R	Perform a substantial acting role in a significant production	3	5				
AS91518	W	Demonstrate understanding of live drama performance.	3		4			
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								

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 advantageous, in a range of professions. Self-discipline, focus, confidence, collaboration and team work are qualities valued by both employers and tertiary providers. Learning in Drama 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; film and theatre acting, television and radio broadcasting, script writing, directing, film making, teaching, law, event management, journalism, community and youth social work.

● DANCE | (13DAN)

Teacher in Charge: Ms Susan Allpress

LEVEL: NCEA Level 3 Achievement Standards: **16 Credits**

PREREQUISITES: Previous experience and learning from 12DAN NCEA Level 2 is recommended. Experience dancing in the school production or cultural dance will be an advantage. Prior training in any dance genre will be an added advantage. An excellent track record of attendance is **essential** due to the collaborative nature of much of the work undertaken. If unsure of your experience level, please see HOD Drama and Dance.

LEARNING ACTIVITIES: Students will extend their ability to choreograph and perform original dance works. They will work both individually and collaboratively on solo, duet and group dances. Attending at least one live professional dance performance will support appreciation of dance works. A specific dance work will be analysed and examined in the external exam. There will be opportunity for students to gain extra dance credits through involvement as dancers and or choreographers in the school production and the Lynfield Cultural Festival. Where possible and appropriate, learning from different achievement standards will be integrated into a single learning context.

COST / EQUIPMENT: Admission costs associated with attending at least one professional live dance performance.

13DAN			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91589		Choreograph a dance to develop and resolve ideas	3	4				
AS91590		Perform a solo or duet dance	3	4				
AS91591		Perform a group dance	3	4				
AS91594		Analyse a dance performance	3		4			
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								

PATHWAYS / CAREER RELEVANCE: Careers associated with the skills developed in dance include; dancer, choreographer, community and youth work, film and stage performance, movement and fitness trainer, health sciences and teaching. Development of physical skill and performance ability is relevant to situations that require presentation skills. Self-discipline, focus, creativity, confidence, communication and good group and collaborative skills are personal attributes highly valued by employers and tertiary study providers.

MUSIC STUDIES | (12MST)

Teacher in Charge: Mrs Lisa Norman

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

PREREQUISITES: At least Achieved in two NCEA Level 1 Music Standards 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: Students must own or hire an instrument for home practice as well as participate in regular tuition on their instrument (school based or private).

12MST			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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			
AS91275		Demonstrate aural understanding through written representation	2		4		
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12MST VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							20
Recommended Credits							

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

MUSIC | (13MUS)

Teacher in Charge: Mrs Lisa Norman

LEVEL: NCEA Level 3 Achievement Standards: **16 to 28 Credits** from the standards listed.

PREREQUISITES: At least Achieved in three NCEA Level 1 and/or Level 2 standards. Students new to Music must seek permission from the HOD Music. All students must have some skills on an instrument (including voice).

LEARNING ACTIVITIES: Group performance, composition, arranging, theory knowledge, music technology. Solo performance is optional.

COST / EQUIPMENT: Students who wish to enter the solo performance standard must own or hire an instrument for home practice as well as participate in regular tuition on their instrument (school based or private).

13MUS			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91416		Perform two programs of music as a featured soloist (Optional)	3	8			
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, education, audio engineer, songwriter

MUSIC PROJECTS | (12MPJ)

Teacher in Charge: Mrs Lisa Norman

LEVEL: NCEA Level 2 Achievement Standards and Unit Standards: **14 to 20 Credits**

PREREQUISITES: Basic skills on an instrument (including voice). An interest in rehearsing and performing music in a group, composing music and/or songs and using music technology. **Exclusions:** students in this course cannot take 12MST

LEARNING ACTIVITIES: Building instrumental skills, ensemble skills, basic music theory, composition, songwriting, music technology and recording.

COST / EQUIPMENT: Owning or hiring an instrument for home practice is recommended.

12MPJ			NOT eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91270		Perform two substantial pieces of music as a featured soloist (Optional)	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			
US27657		Demonstrate knowledge of the development & usage of music technology equipment and techniques	2	4			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12MPJ VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							23
Recommended Credits							4

PATHWAYS / CAREER RELEVANCE: Composer, arranger, performer, instrumental teacher, education, audio engineer, songwriter.

HEALTH AND PHYSICAL EDUCATION FACULTY (PHE)

Faculty Leader: Mrs Kat Wells

						Physical Education (Leadership)	L2	→↗	Physical Education (Leadership)	L3	
				Physical Education	L1	→↗↗	Physical Education (Sport Science)	L2	→↗	Physical Education (Sport Science)	L3
Physical Ed & Health	→	Physical Ed & Health	→↗↗				Sports Studies	L2+US	→	Sports Studies	L3+US
				Health and Rec	L1	→↗↗	Health Studies	L2	→	Health Studies	L3
							Outdoor Education	L2	→	Outdoor Education	L3

HEALTH STUDIES | (12HTH)

Teacher in Charge: Mrs Kat Wells

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

PREREQUISITES: None

LEARNING ACTIVITIES: Work at Level 2 includes elements of sociology and psychology within health related contexts. Students will investigate a range of adolescent health issues, such as resilience, discrimination, gender and sexuality and take part in a large scale health promotion project. Activities include co-operative projects, research assignments and discussion groups. Students will be able to choose a personalised learning pathway, and either be assessed in all four standards or their choice of three.

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

12HTH			Eligible for Course Endorsement				CREDITS		
STANDARD	R/W	TITLE				LEVEL	INT	EXT	
AS91236		Evaluate factors that influence people's ability to manage change				2	5		
AS91237		Take action to enhance an aspect of people's well-being within the school or wider Community				2	5		
AS91238		Analyse interpersonal issues which place personal safety at risk				2		4	
AS91239		Evaluate issues related to sexuality and gender				2	5		
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>									
12HTH VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries		
Sector Related Credits					3	19			
Recommended Credits				17	14		3		

PATHWAYS / CAREER RELEVANCE: Pathway into Level 3 Health Studies. 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 and drug counselling, health promotion, sport and exercise science, physiotherapy, occupational therapy.

● HEALTH STUDIES | (13HTH)

Teacher in Charge: Mrs Kat Wells

LEVEL: NCEA Level 3 Achievement Standards: **19 Credits**

PREREQUISITES: None

LEARNING ACTIVITIES: Work at Level 3 focuses on investigating significant health and socio-ecological issues in New Zealand and applying the concepts of ethics, health promotion and social justice to design strategies that will lead to more equitable health outcomes for New Zealanders. Activities will include individual and group research, group discussion, gathering data, case studies, assignments, and learning journals. Students will be able to choose a personalised learning pathway, and either be assessed in all four standards or their choice of three.

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	Explain a contemporary dilemma or ethical issue in relation to wellbeing				3	4		
AS91465	R/W	Evaluate models for health promotion				3		5	
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>									

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 and drug counselling, health promotion, sport and exercise science, physiotherapy, occupational therapy.

PHYSICAL EDUCATION (Leadership) | (12PEL)

Teacher in Charge: Mrs Dotti Connew

LEVEL: NCEA Level 2 Achievement Standards: **17 Credits**

PREREQUISITES: 14 credits from Level 1 Health and Recreation or Physical Education courses.

LEARNING ACTIVITIES: Level 2 PEL is an academic course with a focus on practical learning. Students in this course will focus on practical skill performance in two contexts, develop leadership skills in groups, explore the significance of physical activity for young people and society and examine event planning and outcomes.

COST / EQUIPMENT: Tough Guy/Gal costs – approximately \$70

12PEL			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91331		Examine the significance for self, others and society of a sporting event, a physical activity or a festival	2	3			
AS91330		Perform a physical activity in an applied setting	2	4			
AS91332		Evaluate leadership strategies that contribute to the effective functioning of a group	2	4			
AS91335		Examine the implementation and outcome(s) of a physical activity event or opportunity	2	3	5		
AS91336		Analyse group processes in physical activity	2	3			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12PEL VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits					14	6	14

PATHWAYS / CAREER RELEVANCE: Pathway into Level 3 Physical Education. Physical education teaching, coaching, youth work, police, fire and emergency, armed forces, recreation, sport and health related careers.

PHYSICAL EDUCATION (Sports Science) | (12PES)

Teacher in Charge: Mrs Dotti Connew

LEVEL: NCEA Level 2 Achievement Standards: **17 Credits**

PREREQUISITES: 14 credits from Level 1 Health and Recreation or Physical Education courses.

LEARNING ACTIVITIES: Level 2 PES is an academic course with an emphasis on applying practical and theoretical knowledge. Students in this course will focus on practical skill performance in two contexts, examine anatomy and exercise physiology, examine the implementation and outcomes of camp, motor skill learning and biomechanical analysis, skill teaching and training principles.

COST / EQUIPMENT: Camp and activity costs approximately \$250

12PES			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91328		Demonstrate understanding of how and why biophysical principles relate to learning of physical skills	2	5			
AS91329		Demonstrate understanding of the application of biophysical principles to training for physical activity	2	4			
AS91330		Perform a physical activity in an applied setting	2	4			
AS91331		Examine the significance for self, others and society of a sporting event, a physical activity or festival	2	4			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12PES VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits					20	7	20

PATHWAYS / CAREER RELEVANCE: Pathway into Level 3 Physical Education. Physiotherapy, occupational therapy, osteopathy, paramedic, nursing, physical education teaching, sport management, recreation and health related careers. Police, armed forces, fitness industry, personal training.

PHYSICAL EDUCATION (Sports Science) | (13PES)

Teacher in Charge: Ms Alannah Morris

LEVEL: NCEA Level 3 Achievement Standards: **15 Credits**

PREREQUISITES: 14 credits at Level 2 PE or English (achievement standards courses)

LEARNING ACTIVITIES: Students in Level 3 will focus on practical performance skills in two contexts, biomechanical analysis of a skill, critical analysis of a physical activity event, issue or trend and an evaluation of a performance improvement programme.

COST / EQUIPMENT: Rock Climbing - approximately \$85. Badminton Coaching - approximately \$15.

13PES			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91499		Analyse a physical skill performed by self or others	3	3			
AS91500		Evaluate the effectiveness of a performance improvement programme	3	4			
AS91501		Demonstrate quality performance of a physical activity in an applied setting	3	4			
AS91502		Examine a current physical activity event, trend or issue impacting on New Zealand society	3	4			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							

PATHWAYS / CAREER RELEVANCE: Physical education teaching, coaching, sports scientist, sports medicine, physiotherapy, occupational therapy, osteopathy, paramedic, nursing, personal training, police, armed forces, sport, recreation and health related careers.

● PHYSICAL EDUCATION (Leadership) | (13PEL)

Teacher in Charge: Mrs Dotti Connew

LEVEL: NCEA Level 3 Achievement Standards: **16 Credits**

PREREQUISITES: 14 credits at Level 2 PE or English (achievement standards courses).

LEARNING ACTIVITIES: Students in Level 3 will focus on practical performance of skills in two contexts, leadership principles in physical activity, physical activity and well-being and strategies for a physical activity event or outcome.

COST / EQUIPMENT: Camp costs approximately \$250.

13PEL			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91498		Evaluate physical activity experiences to devise strategies for lifelong well-being	3	4				
AS91501		Demonstrate quality performance of a physical activity in an applied setting	3	4				
AS91505		Examine contemporary leadership principles applied in a physical activity context	3	4				
AS91789		Devise strategies for a physical activity outcome	3	4				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								

PATHWAYS / CAREER RELEVANCE: PE teaching, coaching, health sciences, police, armed forces, recreation, sport and health related careers.

SPORTS STUDIES | (12SPS)

Teacher in Charge: Mr Russell Christie

LEVEL: NCEA Level 2 Achievement Standards: **7 Credits**. Unit Standards **11 Credits**

PREREQUISITES: 1. Level 1 PE Achievement Standard 1.1 (AS90962) 2. 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: Level 2 Sports Studies is predominately a Unit Standard course with opportunities to gain Merit and Excellence level credits in two Achievement Standards. The course has a focus on sports coaching, leadership and running a recreational event at school. This course also explores basic anatomy of the human body and its relation to the performance of sports skills. This course is a lead into Level 3 Sports Studies, where students can gain a certificate from MIT at the end of Level 3.

COST / EQUIPMENT: \$60 course fees and off-site trip.

12SPS		NOT eligible for Course Endorsement					CREDITS			
STANDARD	R/W	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						
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE										
12SPS VOCATIONAL PATHWAY		<i>Construction and Infrastructure</i>	<i>Manufacturing and Technology</i>	<i>Primary Industries</i>	<i>Service Industries</i>	<i>Social and Community Services</i>	<i>Creative Industries</i>			
Sector Related Credits					7	7				
Recommended Credits										

PATHWAYS / CAREER RELEVANCE: Pathway into Level 3 Sports Studies. health, sport and recreation careers, police, armed forces, coaching, fitness industry, teaching and officiating.

SPORTS STUDIES | (13SPS)

Teacher in Charge: Mr Russell Christie

LEVEL: NCEA Level 3 Achievement Standards: **4 Credits**. Unit Standards: **22 Credits**

PREREQUISITES: 1. 12 Credits in 12SPS 2. Must be currently participating in a sports team. If none of these apply, then permission may still be granted after an interview with the Head of Faculty.

LEARNING ACTIVITIES: This course follows on from Level 2 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 at Level 3.

COST / EQUIPMENT: \$60 course fees and off-site trip.

13SPS			Not eligible for Course Endorsement			CREDITS		
STANDARD	R/W	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								

PATHWAYS / CAREER RELEVANCE: Sports Coaching, Physical education teaching, personal training, health, sport and recreation careers, fitness industry, officiating, police, armed forces.

OUTDOOR EDUCATION | (12OED)

Teacher in Charge: Mr Duncan Smith

LEVEL: NCEA Level 2 Achievement Standards: **7 Credits** Unit Standards: **12 credits** Total: 19 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 environment. They will gain an appreciation for the outdoors while participating in a range of outdoor activities. The activities will include tramping, camping, navigation, mountain biking and surfing. The focus will be developing their own skills in these activities as well as learning about risk management and leadership. The students will also gain their work place first aid certificate.

COST / EQUIPMENT: Mountain biking \$50. Surfing \$100. Tramping and camping 3 x camps \$30 each + food. First Aid \$100. We advise the set-up of an automatic payment over the year to make this more manageable.

12OED				NOT eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE		LEVEL	INT	EXT			
AS91332		Evaluate leadership strategies that contribute to the effective functioning of a group		3	4				
AS91333		Analyse the application of risk management strategies to a challenging outdoor activity		3	3				
US20159		Gather and apply weather information to an outdoor recreation activity		3	2				
US425		Experience Tramping		3	3				
US426		Experience Camping		3	3				
US6400		Manage first aid in an emergency situation		3	2				
US6401		Provide first aid		2	1				
US6402		Provide basic life support		1	1				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE									
12OED VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries		
Sector Related Credits					10	4			
Recommended Credits									

PATHWAYS / CAREER RELEVANCE: This course can lead on to certificates, diplomas and degrees in sport, recreation, physical education, outdoor education and sustainability. The purpose and design of this course is to give students an opportunity to learn in, through and about a variety of outdoor activities. Some potential career pathways could be in adventure tourism, secondary and tertiary teaching, outdoor education centres, working as a fitness instructor or as a personal trainer in centres or for corporate groups, environmental and conservation groups (including Department of Conservation and others).

● OUTDOOR EDUCATION | (13OED)

Teacher in Charge: Mrs Sarah Reynolds

LEVEL: NCEA Level 3 Achievement Standards: **15 Credits** Unit Standards: **5 Credits** Total: 20 credits.

PREREQUISITES: AS91333 – Risk management PLUS interview with TiC of Course or HOD.

LEARNING ACTIVITIES: In this course, students will apply classroom-based learning activities into an outdoor environment. There will be several trips and camps that are part of the course. Topics covered will be risk management, leadership, lifelong wellbeing, First Aid, and a research assignment. The contexts that we will be using to learn about these topics will be a leadership camp where the students will be leading junior students in outdoor activities. A journey around Auckland linking in with risk management and a 5-day camp at Hillary Outdoors Tongariro. Students will also complete an Outdoor First Aid certificate.

COST / EQUIPMENT: Kokako Lodge camp \$250, The Journey \$100, Hillary Outdoors Camp \$400, First Aid \$80. We advise the set-up of an automatic payment over the year to make this more manageable.

13OED				NOT eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE		LEVEL	INT	EXT			
US424		Assess and manage an emergency care situation during an outdoor recreation activity		3	5				
AS91498		Evaluate physical activity experiences to devise strategies for lifelong well-being		3	4				
AS91504		Analyse issues in safety management for outdoor activity to devise safety management strategies		3	3				
AS91505		Examine contemporary leadership principles applied in physical activity contexts		3	4				
AS91502		Examine a current physical activity event, trend, or issue and its impact on New Zealand society		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 can lead on to certificates, diplomas and degrees in sport, recreation, physical education, outdoor education and sustainability. The purpose and design of this course is to give students an opportunity to learn in, through and about a variety of outdoor activities. Some potential career pathways could be in adventure tourism, secondary and tertiary teaching, outdoor education centres, working as a fitness instructor or as a personal trainer in centres or for corporate groups, environmental and conservation groups (including Department of Conservation and others).

LANGUAGE AND LANGUAGES FACULTY (LAN)

Faculty Leader: Ms Cathy Feist

English	→	English	→↘	English creative writing	L1	→↘	English crafted writing	L2	→↘	English crafted writing	L3
			↘	English formal writing	L1	→↘	English	L2	→	English	L3
				Com English	L1	→	Com English	L2	→	Com English	L2/3 US
ESOL	↗		↗	English Academic	L1 US	→	English Academic	L2 US	→	English Academic	L2/3 US
				EFS	L1 US	→↘	EFS	L2 US	↗		
ELS	→	ELS	→↘	ELS	L2 US	→↘	ELS	L2/3 US	↗	ELS	
ELIP	→↘	ELIP	→↘	ELIP		→↘	ELIP		→	ELIP	
										Adults ESOL	
Language											
German	→	German	→	German	L1	→	German	L2/(COR)	→	German	L3/(COR)
Japanese	→	Japanese	→	Japanese	L1	→	Japanese	L2/(COR)	→	Japanese	L3/(COR)
Chinese	→	Chinese	→	Chinese	L1	→	Chinese	L2/(COR)	→	Chinese	L3/(COR)
Māori	→	Māori	→	Māori	L1	→	Māori	L2/(COR)	→	Māori	L3/(COR)
							Spanish	L1(COR)	☒		

COMMUNICATIONS ENGLISH | (12CEN)

Teacher in Charge: Ms Jo Fletcher

LEVEL: NCEA Level 1 and 2 Achievement Standards: **6 credits**, Unit Standards: **13 credits**

PREREQUISITES: Three years secondary English.

LEARNING ACTIVITIES: This course follows the national curriculum, covering speaking, listening, writing, reading, presenting and viewing. Two important unit standards cover reading for meaning, and writing clearly and concisely. The course also covers interpersonal speaking and listening as well as being an effective communicator in group situations. 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 is assessed in 13CEN.

COST / EQUIPMENT: A suitable device and usual writing materials.

12CEN				<i>NOT eligible for Course Endorsement</i>			CREDITS	
STANDARD	R/W	TITLE		LEVEL	INT	EXT		
US2989		Select, access and read texts to gain knowledge		2	3			
US1294		Be interviewed in a formal situation		2	2			
US3492		Write a short report		2	3			
AS90857		Construct and deliver an oral text		1	3			
AS90855		Create a visual text		1	3			
US7120		Demonstrate knowledge of note-taking		1	2			
US9677		Communicate in a team or group which has an objective		2	3			
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								
12CEN VOCATIONAL PATHWAY			<i>Construction and Infrastructure</i>	<i>Manufacturing and Technology</i>	<i>Primary Industries</i>	<i>Service Industries</i>	<i>Social and Community Services</i>	<i>Creative Industries</i>
Sector Related Credits				3	3	3	3	3
Recommended Credits				3	3	2	5	

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

COMMUNICATIONS ENGLISH | (13CEN)

Teacher in Charge: Ms Tess Morrison

LEVEL: NCEA Level 2, 3 and 4 Unit and Achievement Standards: **15 credits** from the core standards: US22751, US9681, US1296 and US1279. This includes **6 Level 4 reading credits** which count towards Level 2 Literacy. The optional standards are: AS91101 and US2990.

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			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US22751	R	Read and process information for academic purposes	4	6				
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				

Notes: R = Contributes to 5 L2 Reading credits for UE | W = Contributes to 5 L2 Writing credits for UE

PATHWAYS / CAREER RELEVANCE: Communications English is a course that offers the standards necessary to fulfil the requirements for Level 2 literacy. However, those students who wish to meet the Auckland University English requirement for guaranteed entry should enrol in 12ENG. There is also a communications focus, with standards designed to enhance group work and interview skills.

ENGLISH CRAFTED WRITING | (12ENC)

Teacher in Charge: Mr Patrick Jansen

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

PREREQUISITES: 12 credits from 11ENC or 11ENF achievement standards with a preference for an Achieved 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		<i>Eligible for Course Endorsement</i>				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 (optional)	2		4		
AS91100	R/W	Analyse significant aspects of unfamiliar texts through close reading with supporting evidence	2		4		
AS91101	W	Produce a selection of crafted and controlled writing	2	6			
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 | ** = Students can choose AS91099 as an extra option*

12ENC VOCATIONAL PATHWAY	Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
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.

● ENGLISH – CRAFTED WRITING | (13ENC)

Teacher in Charge: Mr Patrick Jansen

LEVEL: NCEA Level 3 Achievement Standards: **17 Credits**. **PREREQUISITES:** At least 12 credits from 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			
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 verbal and visual language	3	3				
AS91475	W	Produce a selection of fluent and coherent writing	3	6				
AS91479	R	Develop an informed understanding of literature and/or language using critical texts	3	4				
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE * = Students will choose between AS91473 and AS91474 but may do both if needed for a tertiary entry requirement ** = Students will choose between AS91476 and AS91477</i>								

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

ENGLISH | (12ENG)

Teacher in Charge: Mr Patrick Jansen

LEVEL: NCEA Level 2 Achievement Standards: **17 Credits** **PREREQUISITES:** Achievement in at least one of the writing, or response to text standards offered in the 11ENF or 11ENC courses. If this does not 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. There is a clear focus on visual text analysis and creation. Response to written text essay and unfamiliar texts are assessed in the external exam.

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		
AS91100	R/W	Analyse significant aspects of unfamiliar texts through close reading with supporting 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	2	3				
AS91103		Create a crafted and controlled visual and verbal text	2	3				
US3492**		Write a short report	2	3				
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE ** = US3492 is dependent on results</i>								
12ENG VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits								
Recommended Credits		17		17	17	11	20	

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

● ENGLISH | (13ENG)

Teacher in Charge: Mr Patrick Jansen

LEVEL: NCEA Level 3 Achievement Standards: **17 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	R/W	Respond critically to a specified aspect of studied written text with supporting evidence	3			4		
AS91474	R/W	Respond critically to significant aspect(s) of unfamiliar texts through close reading	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	3	3				
AS91480		Respond critically to significant aspects of visual and/or oral text(s)	3	3				
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								

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

TE REO MĀORI | (12MAO)

Teacher in Charge: Mrs Jennifer Leauga

LEVEL: NCEA Level 2 Achievement Standards: up to **24 Credits**

PREREQUISITES: 11 Māori

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

COST / EQUIPMENT: \$150 (approximately) 2B5, laptop, pens, clearfile, refill for trips to marae/museum, Kapa Haka showcase Ngā Manu Kōrero. Biannual cultural exchange to Rarotonga (\$2000-\$2500).

12MAO			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
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		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits			24	24	24	24	

PATHWAYS / CAREER RELEVANCE: Māori media and journalism, iwi management, tertiary education, teaching, linguistics, medical profession, legal work. Te Reo Māori and understanding of tikanga and kawa are a benefit to have in any profession in Aotearoa and abroad.

● TE REO MĀORI | (13MAO)

Teacher in Charge: Mrs Jennifer Leauga

LEVEL: NCEA Level 3 Achievement Standards: up to **24 Credits**

PREREQUISITES: 14 credits in 12MAO

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. Biannual cultural exchange to Rarotonga (\$2000-\$2500).

12MAO			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
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 and journalism, iwi management, tertiary education, education, linguistics, medical, professional and legal work. Speakers of Te Reo Māori are in high demand, similarly the ability to speak and understand kawa and advise are all seen as benefits in many career pathways.

ENGLISH FOR ACADEMIC PURPOSES | (12EAP)

Teacher in Charge: Mr Chris Bangs

LEVEL: NCEA Level 2 and 3 English Language (EL) Unit Standards and Level 1 English Achievement Standards: **20 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 2020 and 13EAP in 2021.

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: An online subscription to be advised. A clearfile, an exercise book and usual writing equipment.

12EAP				<i>NOT eligible for Course Endorsement</i>			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US30982		Demonstrate understanding of a spoken text on a familiar topic (EL)	3	5				
US30511		Read and apply understanding in English for academic purposes (EAP)	3	6				
US30508		Write a short crafted text for a specified audience using resource material in English for an academic purpose (EAP)	3	6				
AS91102		Construct and deliver a crafted and controlled oral text	1	3				
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								
12EAP VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits								
Recommended Credits			3	5	3	2	5	

PATHWAYS / CAREER RELEVANCE: Preparation for 13EAP.

ENGLISH FOR ACADEMIC PURPOSES | (13EAP)

Teacher in Charge: Mr Chris Bangs

LEVEL: Level 4 English Unit Standards, Level 2 and 3 English Achievement Standards, Level 2 Literacy. **19 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: \$25 for subscription to online website *Write that essay*, a 40-page clearfile, refill paper, usual writing equipment.

13EAP				<i>NOT eligible for Course Endorsement</i>			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	R	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				
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								
13EAP VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits								
Recommended Credits		8		8	8	8	8	

PATHWAYS / CAREER RELEVANCE: Fulfillment of literacy requirements for university entrance. 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.

ENGLISH FOR FURTHER STUDY | (12EFS)

Teacher in Charge: Mr Chris Bangs

LEVEL: NCEA Level 2 and 3 English Language (EL) Unit Standards; Level 1 Literacy Unit Standards; Level 1 English Standard: **25 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 a two year course: 12EFS in 2020 and 13EAP + 13IEL in 2021. 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: An online subscription to be advised; a 40-page clearfile, refill paper.

12EFS			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US30990		Demonstrate understanding of a spoken interaction in a familiar context (EL)	3	5				
US31002		Read and understand a straightforward text for a routine practical purpose (EL)	2	5				
US28068		Write a connected text on a familiar topic (EL)	3	5				
US27999		Write basic or simple information texts on familiar topics (EL)	2	5				
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				
<p>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE * = These unit standards must be credited as a group and cannot be credited individually.</p> <p>Please Note: Level 1 is the <i>English</i> level; Levels 2 and 3 are <i>ESOL</i> levels. Students will enter into either US27999 or US28068, not both. US26622 and US26625 are co-requisites for US26624 in 12ELS. All three standards must be achieved to gain the 10 credits.</p>								

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

ENGLISH LANGUAGE SUPPORT ESOL | (12ELS)

Teacher in Charge: Mr Chris Bangs

LEVEL: NCEA Level 2 English Language (EL) Unit Standards: **6 credits**. An option for senior students requiring additional language support.

PREREQUISITES: For students from language backgrounds other than English. No prior study required **but** students must also enrol 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.

12ELS			<i>Eligible for Course Endorsement</i>			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US26622	L*	Write to communicate ideas for a purpose and audience	1	3				
US26625	L*	Actively participate in spoken interactions	1	3				
<p>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</p> <p>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.</p>								

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.

ENGLISH LANGUAGE SUPPORT ESOL | (13ELS)

Teacher in Charge: Mr Chris Bangs

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.

CHINESE (MANDARIN) | (12CHI)

Teacher in Charge: Ms Judy Fang

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 skills is one of the key components of this course.

COST / EQUIPMENT: \$39.90 for workbooks \$25 for Language Perfect - online vocabulary tool for use at home (annual fee).

12CHI			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12CHI VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
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.

● CHINESE (MANDARIN) | (13CHI)

Teacher in Charge: Ms Judy Fang

LEVEL: NCEA Level 2 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: \$39.90 for workbooks, \$25 for Language Perfect - online vocabulary tool for use at home (annual fee).

13CHI			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							

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.

GERMAN | (12GER)

Teacher in Charge: Ms Heike Zimmer

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 7. 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. Students get the opportunity to participate in the Auckland Goethe Society examinations. They can apply for PAD and PASCH scholarships and take part in exchange programmes in Germany. 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) \$25 for Language Perfect - online vocabulary tool for use at home (annual fee).

12GER			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12GER VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
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.

● GERMAN | (13GER)

Teacher in Charge: Ms Heike Zimmer

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 8. 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. Students get the opportunity to participate in the Auckland Goethe Society examinations. They can apply for exchange programmes to Germany. Main areas of study: Traditional stories, our changing world, environmental issues, sports, festivals.

COST / EQUIPMENT: \$25 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.

JAPANESE | (12JAP)

Teacher in Charge: Miss Jay Kim

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 cuisine and the Japanese education system. Students may apply for either our 5-week or 18-day exchanges to Japan set to depart in 2020.

COST / EQUIPMENT: \$25 for Language Perfect - online vocabulary tool for use at home/school (annual fee)

12JAP			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12JAP VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits				10			

PATHWAYS / CAREER RELEVANCE: Trade, teaching (education), JET programme (international relations/translating), hospitality, tourism. Services for Japanese living in New Zealand (doctor, accountant, lawyer, real estate, banking etc.).

● JAPANESE | (13JAP)

Teacher in Charge: Miss Jay Kim

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. Students may apply for either our 5 week or 18 day exchanges to Japan set to depart in 2020.

COST / EQUIPMENT: \$25 for Language Perfect - online vocabulary tool for use at home/school (annual fee).

13JAP			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							

PATHWAYS / CAREER RELEVANCE: Trade, education, JET programme (international relations/translating), hospitality, tourism. Services for Japanese living in New Zealand (doctor, accountant, lawyer, real estate, banking etc.).

SPANISH | (12SPN)

Teacher in Charge: Mr Chris Bangs

LEVEL: NCEA Level 1 Achievement 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	R/W	TITLE	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								

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 and international relations.

MATHEMATICS AND STATISTICS FACULTY (MAT)

Faculty Leader: Ms Caitlin Clock

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

MATHEMATICS WITH CALCULUS | (12MAC)

Teacher in Charge: Ms Caitlin Clock

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

PREREQUISITES: Achievement of at least 10 credits required from study of Level 1 Mathematics including AS91028 (Algebra/Graphs) or AS91027 (Algebra). Students will be selected for an advanced programme from those who have achieved at least 16 credits from the study of Level 1 Mathematics at a minimum of Merit level, along with possessing an excellent work ethic. This course may be taken in conjunction with 12MAS.

LEARNING ACTIVITIES: Mathematics course containing topics from within Algebra and an introduction to Calculus.

COST / EQUIPMENT: Graphics calculator.

12MAC			Eligible for Course Endorsement				CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91256		Apply coordinate geometry methods in solving problems	2	2				
AS91257		Apply graphical methods in solving problems	2	4				
AS91258		Apply sequences and series in solving problems	2	2				
AS91259		Apply trigonometric relationships in solving problems	2	3				
AS91261		Apply algebraic methods in solving problems	2		4			
AS91262		Apply calculus methods in solving problems	2		5			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12MAC VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits								
Recommended Credits		20	20	15	6	2	11	

PATHWAYS / CAREER RELEVANCE: Leads on to Level 3 calculus, NZQA scholarship calculus, and tertiary level mathematics courses.

MATHEMATICS WITH STATISTICS | (12MAS)

Teacher in Charge: Ms Caitlin Clock

LEVEL: NCEA Level 2 Achievement Standards: **17 Credits**

PREREQUISITES: Achievement of at least 10 credits required from study of Level 1 Mathematics including AS91035 (Statistics).

LEARNING ACTIVITIES: Mathematics and statistics course mostly containing topics from probability and statistics but also covering the important algebraic and graphical skills needed for higher levels of statistics and general mathematics. This course may be taken in conjunction with 12MAC.

COST / EQUIPMENT: Graphics calculator.

12MAS			Eligible for Course Endorsement				CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91256		Apply co-ordinate geometry methods in solving problems	2	2				
AS91260		Apply network methods in solving problems	2	2				
AS91264		Use statistical methods to make an inference	2	4				
AS91265		Conduct an experiment to investigate a situation using statistical methods	2	3				
AS91267		Apply probability methods in solving problems	2		4			
AS91269		Apply systems of equations in solving problems	2	2				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12MAS VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits			3					
Recommended Credits		6	6	13	15	13	9	

PATHWAYS / CAREER RELEVANCE: Leads on to Level 3 Statistics, Level 3 mathematics and statistics, NZQA scholarship statistics, and tertiary level mathematics courses.

MATHEMATICS – UNITS | (12MAT)

Teacher in Charge: Mr Keith Paine

LEVEL: NCEA Level 2 Achievement Standards: **17 Credits**

PREREQUISITES: Achievement of at least 10 credits from the study of Level 1 Mathematics Achievement Standards.

LEARNING ACTIVITIES: Mathematics course containing topics from within algebra, probability, statistics, trigonometry, and geometry.

COST / EQUIPMENT: Scientific or graphics calculator essential.

12MAT			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91256		Apply co-ordinate geometry methods in solving problems	2	2			
AS91258		Apply sequences and series in solving problems	2	2			
AS91259		Apply trigonometric relationships in solving problems	2	3			
AS91260		Apply network methods in solving problems	2	2			
AS91267		Apply probability methods in solving problems	2				4
AS91268		Investigate a situation involving elements of chance using a simulation	2	2			
AS91269		Apply systems of equations in solving problems	2	2			
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>							
12MAT VOCATIONAL PATHWAY	Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits							
Recommended Credits	11	11	10	8	10	11	

PATHWAYS / CAREER RELEVANCE: Leads on to Level 3 Statistics. Entry into Level 3 Mathematics and Statistics requires achievement of at least ten credits, AS91267, AS91268 and permission from the Head of Faculty.

MATHEMATICS – APPLIED | (12MAP)

Teacher in Charge: Mr Shane Isdale

LEVEL: NCEA Level 1 and 2 Achievement Standards: **16 Credits**

PREREQUISITES: Achievement of at least 10 credits from study of Level 1 Mathematics.

LEARNING ACTIVITIES: A continuation of the Mathematics Applied course with further Level 1 and Level 2 Achievement Standards containing topics from measurement, probability, statistics, trigonometry and geometry.

COST / EQUIPMENT: Scientific or graphics calculator essential.

12MAP			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91030		Apply measurement in solving problems	1	3			
AS91032		Apply right-angled triangles in solving measurement problems	1	3			
AS91036		Investigate bivariate numerical data using the statistical enquiry cycle Level 1	1	3			
AS91259		Apply trigonometric relationships in solving problems	2	3			
AS91260		Apply network methods in solving problems	2	2			
AS91268		Investigate a situation involving elements of chance using a simulation	2	2			
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>							
12MAP VOCATIONAL PATHWAY	Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits							
Recommended Credits	5	5	4	2	4	5	

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

● MATHEMATICS WITH CALCULUS | (13MAC)

Teacher in Charge: Mr Keith Paine

LEVEL: NCEA Level 3 Achievement Standards: **24 Credits, 3 optional credits**

PREREQUISITES: Achievement of at least 12 credits from the study of Level 2 Mathematics including at least two of AS91257 (Graphs), AS91261 (Algebra) or AS91262 (Calculus). Students will be selected for an advanced programme from those who have achieved at least 16 credits from the study of Level 2 Mathematics at a minimum of Merit level, along with possessing an excellent work ethic.

LEARNING ACTIVITIES: Algebra, calculus, trigonometry, co-ordinate geometry.

COST / EQUIPMENT: Graphics calculator.

13MAC			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91578		Apply differentiation methods in solving problems	3					6
AS91579		Apply integration methods in solving problems	3					6
AS91575		Apply trigonometric methods in solving problems	3	4				
AS91577		Apply the algebra of complex numbers in solving problems	3					5
AS91573		Apply the geometry of conic sections in solving problems	3	3				
AS91587**		Apply systems of simultaneous equations in solving problems	3	3				

*Notes: R = Contributes to 5 L2 Reading credits for UE | W = Contributes to 5 L2 Writing credits for UE | ** AS91587 is an optional standard*

PATHWAYS / CAREER RELEVANCE: Applicable to a wide range of university courses including commerce, engineering, science, and information technology.

● MATHEMATICS WITH STATISTICS | (13MAS)

Teacher in Charge: Ms Caitlin Clock

LEVEL: NCEA Level 3 Achievement Standards: **19 Credits**

PREREQUISITES: Entry from 12MAS requires Achievement of (at least) 10 credits from Level 2 Mathematics. Entry from 12MAT requires Achievement of (at least) 10 credits from Level 2 Mathematics including AS91267 (Probability), AS91268 (Simulations), and permission from the Head of Faculty.

LEARNING ACTIVITIES: Statistics and Probability: Practical and theoretical, including statistical software applications.

COST / EQUIPMENT: Graphics calculator.

13MAS			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91584		Apply linear programming methods in solving problems	3	3				
AS91581		Investigate bivariate measurement data	3	4				
AS91582		Use statistical methods to make a formal inference	3	4				
AS91585		Apply probability concepts in solving problems	3					4
AS91586		Apply probability distributions in solving problems	3					4

Notes: R = Contributes to 5 L2 Reading credits for UE | W = Contributes to 5 L2 Writing credits for UE

PATHWAYS / CAREER RELEVANCE: Applicable to a wide range of tertiary courses including business, commerce, engineering, health science, sports science, science, social sciences, and mathematics.

● MATHEMATICS AND STATISTICS | (13MAX)

Teacher in Charge: Mr Chris Wadsworth

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

PREREQUISITES: Achievement of at least 10 credits from Level 2 Mathematics.

LEARNING ACTIVITIES: General mathematics course containing topics from within algebra and graphs, statistics, probability, and Trigonometry. **Exclusions:** Cannot be taken in conjunction with 13MAC or 13MAS.

COST / EQUIPMENT: Scientific or Graphics calculator.

13MAX			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91581		Investigate bivariate measurement data	3	4				
AS91585		Apply probability concepts in solving problems	3					4
AS91587		Apply systems of simultaneous equations in solving problems	3	2				
AS91574		Apply linear programming methods in solving problems	3	3				
AS91576		Use critical path analysis in solving problems	3	2				
AS91575		Apply trigonometric methods in solving problems	3	3				

Notes: R = Contributes to 5 L2 Reading credits for UE | W = Contributes to 5 L2 Writing credits for UE

PATHWAYS / CAREER RELEVANCE: Applicable to a wide range of tertiary courses including business, commerce, health science, social science, sports science, and mathematics.

SCIENCE FACULTY (SCI)						Faculty Leader: Mr Rob Eyre					
				Sci Biological Adv	L1	→↘	Biology Adv	L2	→↘	Biology Adv	L3/Sc
			↗	Science Foundation	L1	↔↘	Biology	L2	→↗	Biology	L3
Science	→↘	Science	→↗	Science Mainstream	L1	→↗↘	Earth & Space Science	L2	→	Earth & Space Science	L3/Sc
		Science L1				↘	Chemistry	L2	→↘	Chemistry	L3
			↘			↗	Chemistry Adv	L2	→↗	Chemistry Adv	L3/Sc
				Sci Physical Adv	L1	→↗↘	Physics Adv	L2	→↘	Physics Adv	L3/Sc
						↘	Physics	L2	→↗	Physics	L3

BIOLOGY | (12BIO)

Teacher in Charge: Ms Sarah Parker

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

PREREQUISITES: **Either: 8 credits** from the Year 11SCM course including AS90925 Practical Investigation in a Biological context, AND AS90948 Biological ideas relating to Genetic Variation **OR: 8 credits** from the Year 11SCB course,

OR: 8 credits from the Year 11SCF course including AS90925 Practical Investigation in a Biological context, and AS90929 biological ideas relating to a Mammal(s) as a Consumer(s), **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 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	R/W	TITLE	LEVEL	INT	EXT		
AS91153		Carry out a practical investigation in a biology context, with supervision	2	4			
AS91155		Demonstrate understanding of adaptation of plants or animals to their way of life	2	3			
AS91156		Demonstrate understanding of life processes at the cellular level	2			4	
AS91157		Demonstrate understanding of genetic variation and change	2			4	
AS91158		Investigate a pattern in an ecological community	2	4			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12BIO VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits			4	19		12	

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

● BIOLOGY | (13BIO)

Teacher in Charge: Ms Sarah Parker

LEVEL: NCEA Level 3 Achievement Standards: **19 Credits**

PREREQUISITES: **11 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; presentations and class discussions. 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		
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							
13BIO VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits			7	19		10	

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

BIOLOGY – ADVANCED | (12BIA)

Teacher in Charge: Ms Sarah Parker

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

PREREQUISITES: **16 credits** at Merit or Excellence from the Year 11SCM course including AS90925 Practical Investigation in a Biological context, and AS90948 Biological ideas relating to Genetic Variation, **OR: 12 credits** at Merit/Excellence from Year 11SCB, **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 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	R/W	TITLE	LEVEL	INT	EXT		
AS91153		Carry out a practical investigation in a biology context, with supervision	2	4			
AS91155		Demonstrate understanding of adaptation of plants or animals to their way of life	2	3			
AS91156		Demonstrate understanding of life processes at the cellular level	2		4		
AS91157		Demonstrate understanding of genetic variation and change	2		4		
AS91158		Investigate a pattern in an ecological community	2	4			
AS91159		Demonstrate understanding of gene expression	2		4		
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>							
12BIA VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits				23		16	

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

BIOLOGY – ADVANCED | (13BIA)

Teacher in Charge: Ms Sarah Parker

LEVEL: NCEA Level 3 Achievement Standards: **19 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		
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			
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>							
13BIA VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits			7	19		10	

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

CHEMISTRY | (12CHE)

Teacher in Charge: Ms Urmila Mehta

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 \$25 for the Workbook and Practical book. Calculators will be required.

12CHE			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91910		Carry out a practical investigation into a substance present in a consumer product using quantitative analysis	2	4				
AS91167		Demonstrate understanding of oxidation-reduction	2	3				
AS91164♦		Demonstrate understanding of bonding, structure and energy changes	2		5			
AS91165		Demonstrate understanding of the properties of selected organic compounds	2		4			
AS91166♦		Demonstrate understanding of chemical reactivity	2		4			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE ♦ = Prerequisite for L3 Chemistry								
12CHE VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits					4			
Recommended Credits		20	20	20	4	20		

PATHWAYS / CAREER RELEVANCE: Chemistry is an important prerequisite for 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.

CHEMISTRY | (13CHE)

Teacher in Charge: Ms Urmila Mehta

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

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 \$39 for the Workbook and Practical book. Calculators will be required.

13CHE			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91388		Demonstrate understanding of spectroscopic data in chemistry.	3	3				
AS91393		Demonstrate understanding of oxidation-reduction processes	3	3				
AS91391		Demonstrate understanding of structure and reactivity of organic compounds	3		5			
AS91392		Demonstrate understanding of equilibrium principles in aqueous systems	3		5			
AS91390		Demonstrate understanding of thermochemical principles and the properties of particles and substances	3		5			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE ♦ = Prerequisite for L3 Chemistry								

PATHWAYS / CAREER RELEVANCE: Chemistry is an important prerequisite for 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.

CHEMISTRY – ADVANCED | (12CHA)

Teacher in Charge: Ms Urmila Mehta

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

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 to 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 \$20 for the Workbook and Practical book. Calculators will be required.

12CHA			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91910		Carry out a practical investigation into a substance present in a consumer product using quantitative analysis	2	4				
AS91911		Carry out an investigation into chemical species present in a sample using qualitative analysis	2	3				
AS91167		Demonstrate understanding of oxidation-reduction	2	3				
AS91164♦		Demonstrate understanding of bonding, structure and energy changes	2		5			
AS91165		Demonstrate understanding of the properties of selected organic compounds	2		4			
AS91166♦		Demonstrate understanding of chemical reactivity	2		4			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE ♦ = Prerequisite for L3 Chemistry								
12CHA VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits					4			
Recommended Credits		23	23	23	4	23		

PATHWAYS / CAREER RELEVANCE: Chemistry is an important prerequisite for 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.

CHEMISTRY – ADVANCED | (13CHA)

Teacher in Charge: Ms Urmila Mehta

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

This course is designed for high achieving Science students who have a passion for Physical, and/or Biological/Environmental 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 the Workbook. Calculators will be required.

13CHA			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91388		Demonstrate understanding of spectroscopic data in chemistry.	3	3				
AS91393		Demonstrate understanding of oxidation-reduction processes	3	3				
AS91391		Demonstrate understanding of structure and reactivity of organic compounds	3		5			
AS91392		Demonstrate understanding of equilibrium principles in aqueous systems	3		5			
AS91390		Demonstrate understanding of thermochemical principles and the properties of particles and substances	3		5			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								

PATHWAYS / CAREER RELEVANCE: Chemistry is an important prerequisite for 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.

EARTH AND SPACE SCIENCE | (12ESS)

Teacher in Charge: Mr Rob Eyre

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 both 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 modelling.

COST / EQUIPMENT: Approximately \$100 for Field Trips. Approximately \$24 for the Course Workbook.

12ESS			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91190		Investigate how organisms survive in an extreme environment	2	4			
AS91189		Investigate geological processes in a New Zealand locality	2	4			
AS91187		Carry out a practical Earth and Space Science investigation	2	4			
AS91192*		Demonstrate understanding of stars and planetary systems	2			4	
AS91191*		Demonstrate understanding of extreme Earth events	2			4	
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE. One or more of * prerequisite for 13ESS							
12ESS VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits		12				4	

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.

● EARTH AND SPACE SCIENCE | (13ESS)

Teacher in Charge: Mr Rob Eyre

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

PREREQUISITES: 10 credits from any 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 modelling.

COST / EQUIPMENT: Approximately \$60 for Field Trips. Approximately \$27 for the Course Workbook.

13ESS			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91412		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: 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.

PHYSICS | (12PXM)

Teacher in Charge: Mr Ashwin Reddy

LEVEL: NCEA Level 2 Achievement Standards: **19 Credits**.

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, 12 Achieved or higher Achievement Standard credits in Level 1 Mathematics (**including** the Algebra external standard), 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 PowerPoint 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 participate in the ICAS Science competition, which costs \$8.50.

COST / EQUIPMENT: Graph paper (1mm²) and scientific calculator essential. Workbook approximately \$25.

12PXM			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91168★		Carry out a practical investigation that leads to a non-linear mathematical relationship	2	4			
AS91171★		Demonstrate understanding of mechanics	2		6		
AS91172		Demonstrate understanding of atomic and nuclear physics	2	3			
AS91173★		Demonstrate understanding of electricity and electromagnetism	2		6		
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE ★ = Prerequisite for L3 Physics							
12PXM VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits		16	19	16		9	

PATHWAYS / CAREER RELEVANCE: Important pre-requisite for most science, engineering, technology, medicine, electrical, aviation, applied geology, energy management, oceanography, etc.

● PHYSICS | (13PXM)

Teacher in Charge: Mr Ashwin Reddy

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

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 L2 Practical internal standard.

In addition, 10 Achieved or higher Achievement Standard credits in Level 2 Mathematics (of which 4 credits must be from external standards) and a high level of attainment with Level 2 Literacy.

LEARNING ACTIVITIES: The course is supported by PowerPoint 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 13MAC or 13MAX. Students are also encouraged to participate in the ICAS Science competition, which costs \$8.50.

COST / EQUIPMENT: Graph paper (1mm²) and scientific calculator essential. Workbook approximately \$25. Rainbow's End Trip approximately \$50.

13PXM			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91521		Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	3	4			
AS91523		Demonstrate understanding of waves systems	3		4		
AS91524		Demonstrate understanding of mechanical systems	3		6		
AS91526		Demonstrate understanding of electrical systems	3		6		
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							

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.

PHYSICS – ADVANCED | (12PXA)

Teacher in Charge: Mr Ashwin Reddy

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

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**, 12 Merit or higher Achievement Standard credits in Level 1 Mathematics (including the Algebra and Geometry external standards), 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 PowerPoint 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 participate in the ICAS Science competition, which costs \$8.50.

COST / EQUIPMENT: Graph paper (1mm²) and scientific calculator essential. Workbook approximately \$25.

12PXA			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE ★ = Prerequisite for L3 Physics							
12PXA VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits		20	23	20		13	

PATHWAYS / CAREER RELEVANCE: Physics is an important pre-requisite for most science, engineering, technology, medical, electrical, and flying, geology, energy management, oceanography.

● PHYSICS – ADVANCED | (13PXA)

Teacher in Charge: Mr Ashwin Reddy

LEVEL: NCEA Level 3 Achievement Standards: **23 Credits**

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, 10 Merit or higher Achievement Standard credits from 12MAC (of which 5 credits must be external standards) and a high level of attainment with Level 2 Literacy.

LEARNING ACTIVITIES: The course is supported by PowerPoint 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 13MAC. Students are also encouraged to participate in the ICAS Science competition, which costs \$8.50.

COST / EQUIPMENT: Graph paper (1mm²) and scientific calculator essential. Workbook approximately \$25. Rainbow's End Trip approximately \$50.

13PXA			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91521		Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	3	4			
AS91523		Demonstrate understanding of waves systems	3		4		
AS91524		Demonstrate understanding of mechanical systems	3		6		
AS91525		Demonstrate understanding of modern Physics	3	3			
AS91526		Demonstrate understanding of electrical systems	3		6		
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							

PATHWAYS / CAREER RELEVANCE: Physics is an important pre-requisite for most science, engineering, technology, medical, electrical, and flying, geology, energy management, oceanography.

SOCIAL SCIENCES AND BUSINESS FACULTY (SST)

Faculty Leader: Ms Therese Marshall

Social Studies	→	Social Studies	↔	History	L1	↔	History	L2	→	History	L3
		Social Studies L1	↔		L1	↔	Classical Studies	L2	→	Classical Studies	L3
			↔	Geography	L1	↔	Geography	L2	→	Geography	L3
							Tourism	L2 US	→	Tourism	L3US
				Media Studies	L1	↔	Media Studies	L2	→	Media Studies	L3
				Economics	L1	↔	Economics	L2	→	Economics	L3
Business Studies	→	Business Studies					Business Studies	L2	→	Business Studies	L3
				Accounting	L1	↔	Accounting	L2	↔	Accounting	L3

CLASSICAL STUDIES | (12CLA)

Teacher in Charge: Mrs Therese Marshall

LEVEL: NCEA Level 2 Achievement Standards: **18 or 20 Credits.**

Classical Studies develops the skills of critical thinking, analysis (especially of visual material), research, processing and communicating information.

PREREQUISITES: Level 1 Literacy. No prior study required although it is helpful preparation to gain some knowledge of Greek Mythology.

LEARNING ACTIVITIES: The study of the civilisations of ancient Greece.

Before Marvel and DC: the Superheroes of the Ancient World: In their study of Greek Mythology, students examine a range of myths, with particular emphasis on Homer's epic story 'Odyssey'. This is assessed as both an internal and external standard. In the internal, students compare Homer's Odyssey to the film version, to understand the importance and relevance of superheroes stories to both the ancient Greek culture and our own culture today.

The Significance of the Persian Wars: The Greek victory over the mighty Persians was a David vs Goliath story. As an internal, students study how the Greeks achieved this and the legacy that still survives today. The period that followed is known as the Golden Age of Greece – where the foundations of western civilisation were laid.

Athenian Social and Political Life: The study of the Golden Age of Greece. In this topic students explore the time which saw the birth of science and politics, philosophy, literature and drama. A time that saw the creation of art and architecture we still strive to equal today.

5th C BC Athenian Art and Architecture: A study of some of the most iconic pieces of artwork in the world today. We examine Athens' most famous temple architecture, built after the Persian Wars to reflect the glory and pride in their culture. Students also examine Greek sculpture and the relationship between Greek ideas and their continual strive for the ideal representation of the human body.

The students sit two internal and two external standards. However, because the course covers three external standards the students have a choice of which externals they attempt.

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 (optional)	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			Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
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 such as architecture, medicine, journalism, law, archeology, art history, broadcasting, librarian, education, tourism and public relations. In addition, Classics is a valuable subject for the **Creative Industries:** Graphic design, industrial design, film industry, animation, creative writing – whether it be novels or music. 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.

● CLASSICAL STUDIES | (13CLA)

Teacher in Charge: Mrs Therese Marshall

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

PREREQUISITES: 12 credits in Level 2 English: 2.1 and/or 2.3 and/or 2.7. 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: Alexander the Great: A controversial figure in his own lifetime, and still today, Alexander is one of the most fascinating individuals to students of history. He had no shortage of writers to commemorate his achievements and few question his military genius. However, historians differ widely on his character and intentions. In this course students develop critical analysis skills in examining a wide range of sources on the life and legacy of Alexander. The topic covers both an internal and external standard.

Greek Vase Painting and Mythology: The art of Greek Vases is the art of storytelling: mythological stories. At Level 3, students carry out an in-depth study of the importance of mythology. While mythological stories are exciting and entertaining, there is always a meaningful content – an intellectually stimulating element about human character and the complexities of life. Additionally, Greek art had a great appreciation of aesthetic beauty, including the ideal representation of the human form.

Myth Perennial, Herakles through the Ages: The relationship between Greek culture, Renaissance and today. This internal standard analyses the influences of Greek culture on two other cultures through the depiction of Herakles in art. Students examine art from the Renaissance Period and that produced by Marian Maguire – a New Z artist who uses Herakles to symbolise her interpretation of the European colonisation of New Zealand. Underpinning the whole course is the understanding of Greek ideas and values and the philosophical reasons for the lasting impact of Greek culture.

Roman Art and Architecture: The purpose of Roman art was to demonstrate the power and greatness of Rome. In studying some of the most iconic pieces of art and architecture from Imperial Rome, students will also learn the historical context in which they were created.

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

13CLA			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
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 is a Table A subject at Auckland University. As an 'English-rich' subject it is one of the subjects that is required or recommended for degrees in medical and health sciences, law, commerce, engineering, science and the creative arts and industries such as architecture the fine arts. Other careers include journalism, archeology, art history, broadcasting, librarian, education, tourism and public relations. In addition, creative industry jobs such as graphic design, industrial design and the film industry, e.g. special effects and animation. Employers value highly the transferable skills that Classical Studies teaches, such as the skills of critical analysis, shaping a logical argument, resolving problems creatively, and writing, thinking and communicating clearly.

GEOGRAPHY | (12GEO)

Teacher in Charge: Mr Bevan Welsh

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 three 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: Skills workbook \$23. Research Field trip – to be confirmed.

12GEO			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91242	R/W	Demonstrate geographic understanding of differences in development	2			4		
AS91243		Apply concepts and geographic skills to demonstrate understanding of a given environment	2			4		
AS91244		Carry out geographic research with guidance	2	5				
AS91241		Demonstrate geographic understanding of an urban pattern	2	3				
AS91245		Explain aspects of a contemporary New Zealand geographic issue	2	3				

Notes: R = Contributes to 5 L2 Reading credits for UE | W = Contributes to 5 L2 Writing credits for UE

12GEO VOCATIONAL PATHWAY	Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
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 officer, traffic planner, ecologist, pollution control officer, park ranger, journalist, business manager, weather forecaster, tourist officer, town planner among many others.

● GEOGRAPHY | (13GEO)

Teacher in Charge: Mr Bevan Welsh

LEVEL: NCEA Level 3 Achievement Standards: **19 Credits**

PREREQUISITES: 12 credits in ONE of the following subjects: 12GEO, 12MED (excludes AS91253), 12ENG, 12ENC, 12HIS, 12CLA, 12ECO or HOD approval.

LEARNING ACTIVITIES: The external component of the course is based around two standards. 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, looking at perspectives on the **Contemporary Issue** of Human Trafficking and a **Global Study** looking at Coral reefs worldwide.

COST / EQUIPMENT: Skills workbook \$23. Field trips: Rotorua (2 days) approx. \$240, Muriwai (1 day) \$22.

13GEO			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91427	R/W	Demonstrate understanding of how a cultural process shapes geographic understanding.	3		4			
AS91429	R/W	Select and apply geographic concepts and skills to demonstrate understanding of a given environments	3		4			
AS91430		Conduct geographic research with consultation	3	5				
AS91431	R	Analyse aspects of a contemporary geographic issue	3	3				
AS91432		Analyse aspects of a geographic topic at a global scale	3	3				
Notes: 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 officer, traffic planner, ecologist, pollution control officer, park ranger, journalist, business manager, weather forecaster, tourist officer, town planner among many others.

HISTORY | (12HIS)

Teacher in Charge: Ms Wilson Wilson

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

PREREQUISITES: Level 1 Literacy

LEARNING ACTIVITIES: Level 2 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.

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		
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		<i>Construction and Infrastructure</i>	<i>Manufacturing and Technology</i>	<i>Primary Industries</i>	<i>Service Industries</i>	<i>Social and Community Services</i>	<i>Creative Industries</i>
Sector Related Credits							
Recommended Credits				9			19

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.

HISTORY | (13HIS)

Teacher in Charge: Ms Bronwen Wilson

LEVEL: NCEA Level 3 Achievement Standards: **20 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 19th 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				
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.

TOURISM | (12TOU)

Teacher in Charge: Miss Hannah Arthur

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: \$60 compulsory fee as a contribution towards the cost of workbooks, assessments and online e-books; approx. \$35 for a day trip.

12TOU			Eligible for Course Endorsement				CREDITS			
STANDARD	R/W	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 New Zealand	2	4						
US24732		Tourism Needs	2	3						
US24728		Work roles	2	3						
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE										
12TOU VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries			
Sector Related Credits					24					
Recommended Credits										

PATHWAYS / CAREER RELEVANCE: 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.

TOURISM | (13TOU)

Teacher in Charge: Miss Hannah Arthur

LEVEL: NCEA Level 3 Unit Standards: **23 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 general World, Pacific Island, New Zealand and Australian tourism.

Students will engage in a range of learning activities including computing; communication activities; development of tourism brochures, research and role-playing.

COST / EQUIPMENT: \$60 compulsory fee as a contribution towards the cost of workbooks, assessments and online e-books; approx. \$35 for a day trip.

13TOU			Not eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US3727		Destination South Pacific	3	5				
US18211		Destination Australia	3	5				
U18212		Destination New Zealand	3	8				
US24733		Promote a New Zealand Tourist Destination	3	5				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								

PATHWAYS / CAREER RELEVANCE: 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.

MEDIA STUDIES | (12MED)

Teacher in Charge: Ms Sherry Wagner

LEVEL: NCEA Level 2 Achievement Standards: **21 Credits**

PREREQUISITES: At least 12 credits in Level 1 English or 12 credits in Level 1 Media.

LEARNING ACTIVITIES: Media will interest those who are keen to explore the world around them, examine the landscape of media culture and become aware of how it shapes us and how we shape it. This course is ideal for students with a creative flair who are interested in analysing how the media works. Throughout the year students will engage with narrative analysis, researching an ethical issue in the Media, and the relationship between genre and society. They will also plan and make their own music video. The course demands that students take a vibrant interest in current events, political and social issues, and that they have strong writing skills.

COST / EQUIPMENT: Students need a 16GB SD card. They also need out-of-school access to a computer and internet. Students may use their own camera equipment if they prefer.

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 an ethical issue 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		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits								21
Recommended Credits								

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.

● MEDIA STUDIES | (13MED)

Teacher in Charge: Ms Sherry Wagner

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. We also study the horror genre. 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 a 16 GB SD card. They also need out-of-school access to a computer and internet. Students may use their own camera equipment if they prefer.

13MED			Not 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.

ACCOUNTING | (12ACC)

Teacher in Charge: Mr Ravi Reddy

LEVEL: NCEA Level 2 Achievement Standards: **19 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	R/W	TITLE	LEVEL	INT	EXT					
AS91174*		Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems	2							4
AS91175		Demonstrate understanding of accounting processing using accounting software	2	4						
AS91176*		Prepare financial information for an entity that operates accounting subsystems	2							5
AS91386		Demonstrate understanding of an inventory subsystem for an entry	2	3						
AS91179		Demonstrate understanding of an accounts receivable subsystem for an entity	2	3						

Notes: R = Contributes to 5 L2 Reading credits for UE | W = Contributes to 5 L2 Writing credits for UE

12ACC VOCATIONAL PATHWAY	Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
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.

● ACCOUNTING | (13ACC)

Teacher in Charge: Mr Ravi Reddy

LEVEL: NCEA Level 3 Achievement Standards: **22 Credit**. **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	R/W	TITLE	LEVEL	INT	EXT			
AS91405		Demonstrate understanding of accounting for partnerships	3	4				
AS91406		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		Demonstrate understanding of management accounting to inform decision-making	3					4
AS91409		Demonstrate understanding of a job cost subsystem for an entity	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 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.

BUSINESS STUDIES | (12BUS)

Teacher in Charge: Mrs Raneeta Prasad

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 management 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	R/W	TITLE	LEVEL	INT	EXT		
AS90844		Demonstrate understanding of how a large business responds to external factors	2			4	
AS90843		Demonstrate understanding of the internal operations of large business	2			4	
AS90846		Conduct market research for a new or existing product	2	3			
AS90848		Carry out, review and refine a business activity within a community context with guidance	2	9			
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12BUS VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits							
Recommended Credits			11	8			12

PATHWAYS / CAREER RELEVANCE: The course prepares students for further tertiary study in business, marketing and management, and entering the workforce in related industry areas or becoming a self-employed entrepreneur.

BUSINESS STUDIES | (13BUS)

Teacher in Charge: Mrs Raneeta Prasad

LEVEL: NCEA Level 3 Achievement Standards: **17 Credits**

PREREQUISITES: 14 Level 2 English credits OR 14 Level 2 Business Studies 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 and marketing planning.

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 \$35.

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 and entering the workforce in related industry areas or becoming a self-employed entrepreneur.

ECONOMICS | (12ECO)

Teacher in Charge: Mr Ravi Reddy

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	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		Analyse unemployment using economic concepts and models	2	4				
AS91227*	R	Analyse how government policy and contemporary economic issues interact	2	6				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12ECO VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
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.

● ECONOMICS | (13ECO)

Teacher in Charge: Mr Ravi Reddy

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: 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 is a good one year course providing general educational skills for everyday living.

STUDENT SERVICES FACULTY (STS)

Faculty Leader: Ms Deborah Kevany

SPC	→	SPC	→	SPC	L1 US	→	SPC	L1/2 US			
							Customer Service	L2 US	<input checked="" type="checkbox"/>		
							Gateway	L1-3 US		Gateway	L1-3US

CUSTOMER SERVICE AWARD | (12CSA)

Teacher in Charge: Mrs Gabrielle Clark

LEVEL: NCEA Level 2 Unit Standards: **23 Credits**

PREREQUISITES: Students must be able to study at NCEA Level 2 and be approved by the Customer Service Award teacher and be interviewed by the Gateway Co-ordinator and the Service IQ industry 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 Award in the Service Sector. Career planning and essential job searching skills will also be covered.

COST / EQUIPMENT: \$55.00 Compulsory course workbook.

12CSA		Not eligible for Course Endorsement					CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT				
US62		Maintain personal presentation and a positive attitude in a workplace involving customer contact	2	3					
US9677		Communicate in a team or group which has an objective	2	3					
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					
US24997		Demonstrate knowledge of theft and fraud in a retail or distribution environment	2	5					
US28301		Demonstrate knowledge of product information in a retail environment	2	5					
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>									
12CSA VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries		
Sector Related Credits		3			14				
Recommended Credits			3						

PATHWAYS / CAREER RELEVANCE: Students gain employability skills that are relevant to all jobs. Credits can be used towards the New Zealand Certificate in Retail (Level 2). Possibilities of part time work are also available.

SPECIFIC PREPARATION FOR EMPLOYMENT AND CITIZENSHIP | (12SPC)

Teacher in Charge: Mrs Shamila Singh

LEVEL: NCEA Level 1 and 2 Unit Standards: optional up to **14 credits** from list below.

PREREQUISITES: None

LEARNING ACTIVITIES: Students enrolled in this course are required to complete tasks and present an organised portfolio with evidence of tasks and Key Competency development. The students have the option of working through the course book and attaining credits. Students are given the choice of selecting their own tasks.

METHODS: Self-directed Learning under the guidance of a tutor, with all records kept in the course book and portfolio.

COST / EQUIPMENT: N/A

12SPC		Eligible for Course Endorsement					CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT				
US7118		Manage own learning programme	2	3					
US4253		Demonstrate knowledge of job search skills	2	3					
US9677		Participate in a group/team which has an objective	2	3					
US12383		Produce a plan for own future directions	2	3					
US12354		Describe legal implications of living in rented accommodation	2	4					
US1827		Identify support services and resources within the community	2	2					
US12359		Describe household conservation strategies	2	3					
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>									
12SPC VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries		
Sector Related Credits									
Recommended Credits					3				

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.

GATEWAY | (Applied learning within an industry)

Teacher in Charge: Mrs Esther Harvey

LEVEL: NCEA Level 2/3 Unit Standards: **15-20 Credits**

WHAT IS GATEWAY? Gateway is a workplace 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 and construction, design, education, electrical, hairdressing, health care, hospitality, logistics, print media, retail, sport and recreation, tourism, telecommunications, etc.

PREREQUISITES: Level 1 NCEA for Year 12 students or Level 2 NCEA for Year 13 students. Students must complete a Gateway application form and have an interview with the Gateway Coordinator. Students must have or are working towards a Learner or Restricted Driver Licence (manual preferred). Students must identify their career direction and display essential work skills, i.e. time management, communication, organisation, team player, reliability and self-motivation.

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.

GATEWAY			AVIATION: EXAMPLE ONLY			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US16818		Demonstrate knowledge of aviation industry law, systems and procedures	2	3				
US19585		Describe the development of aviation from pre-World War I through to current times	2	3				
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	4				
US20677		Demonstrate knowledge of the principles of aircraft flight	2	2				
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								
AVIATION VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits					20			
Recommended Credits								

PATHWAYS / CAREER RELEVANCE: Students gain work/school/life balance skills with a focus on employability skills. The Gateway programme assists students to make decisions about future careers and tertiary study options. There are possibilities of part-time work and apprenticeship opportunities.

TECHNOLOGY FACULTY (TEC)

Faculty Leader: Ms Sonia Wensor

		Tech Mat Hard	→	Tech Materials	L1	→↘	Tech Materials	L2	→	Tech Materials	L3/S
	↗			Tech Eng Prac	L1 US	→↘	Tech Eng Prac	L2 US	☒		
				Tech Mechatronics	L1	→↘	Mechatronics	L2	→↗	Tech Mechatronics	L3/S
						↘	Automotive	L2US	→	Automotive	L3 US
				Cabinetry	L1 US	→	Carpentry	L2 US	→↗	Carpentry	L3 US
	↗	Design & Vis Com	→	Design & Vis Com	L1	→	Design & Vis Com	L2	→	Design & Vis Com	L3/S
Technology	→	Tech Fash & Des	→	Tech Fash & Design	L1	→↘	Tech Fash & Design	L2	→	Tech Fash & Des	L3/S
	↘						Tech Fash Apparel	L2/3 US			
		Food Tech	→	Food & Nutrition	L1	→	Food & Nutrition	L2	→	Food & Nutrition	L3/S
							Early Childhood Education	L2 US	→	Early Childhood Education	L3 US
				Hospitality Intro	L1 US	→	Hospitality	L2 + US	→↘	Hospitality Barista	L3 US
										Hospitality Advanced	L3 US
							Personal & Community Care	L2 US	→	Personal & Community Care	L3 US
Digital Tech	→	Digital Tech	→	Digital Tech	L1	→↘	Digital Tech	L2 + US	→	Digital Tech	L3/S
Robotics	→↘	Robotics					Info Tech Web	L2 + US	↗		
		Mechatronics					Programming & Web	L2 + US	→	Programming & Design	L3/S

AUTOMOTIVE ENGINEERING | (12AUT)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 2 Unit Standards: **18 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 four-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 US16113 within the specified time frame in Term 1 to continue with this course.

COST / EQUIPMENT: \$25

12AUT		Eligible for Course Endorsement					CREDITS	
STANDARD	R/W	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				
US233		Service an automotive battery	2	2				
US21688		Demonstrate knowledge of disassembling and reassembling a four stroke multi-cylinder engine	2	2				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12AUT VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
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.

AUTOMOTIVE ENGINEERING | (13AUT)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 3 Unit Standards: **15 Credits**

PREREQUISITES: HOD approval, US231, US243, US244. Competency in L2 Automotive.

LEARNING ACTIVITIES: This is a UNITEC Partnership course being offered at Lynfield College. It will enable students to complete NZQA Motor Industry Training Organisation. Students will learn how manual and automatic transmissions operate, will investigate new automotive developments and will learn cooling system operation and vehicle lighting systems and basic automotive electrical applications.

COST / EQUIPMENT: \$25

13AUT			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US898		Identify wiring diagrams and translate information	3	3				
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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
13AUT VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
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/turner and small engine mechanic. Students advance their knowledge of vehicle servicing and build the foundation skills need for all automotive trade career paths.

PERSONAL and COMMUNITY CARE | (12PCC)

Teacher in Charge: Ms Sheena Matheson

LEVEL: NCEA Level 1 and 2 Unit and Achievement Standards: **20 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, wellbeing, 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, wellbeing, care provision in a variety of community settings, aromatherapy, makeup 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.

COST / EQUIPMENT: \$50

12PCC			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	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				
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	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 service, social and 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, makeup artistry, and retail.

PERSONAL and COMMUNITY CARE | (13PCC)

Teacher in Charge: Ms Sheena Matheson

LEVEL: NCEA Level 3 Unit and Achievement Standards: **16 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, wellbeing, 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, makeup 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

13PCC				<i>NOT eligible for Course Endorsement</i>			CREDITS			
STANDARD	R/W	TITLE	LEVEL	INT	EXT					
US9694		Demonstrate and apply knowledge of communication process theory	3	4						
US27457		Describe the anatomy and physiology of systems and associated organs of the human body	3	6						
US28004		Research, develop, visually communicate and apply a makeup design concept for a given work	3	6						
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>										

PATHWAYS / CAREER RELEVANCE: Nursing, nurse aid, pharmacy assistant, health worker, care provider, physiotherapist, occupational therapist, podiatrist, beautician, beauty therapist, hairdressing, makeup artistry and retail.

CARPENTRY | (12CRP)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 2 Unit Standards: **24 Credits**

PREREQUISITES: HOD approval, US24352, competency in Y11 Technology Hard Materials or competency in Y11 Cabinetry preferred.

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 US24354 within the specified time frame in Term 1 to continue with this course.

COST / EQUIPMENT: \$75 (extra material costs may apply throughout the year)

12CRP				<i>NOT eligible for Course Endorsement</i>			CREDITS			
STANDARD	R/W	TITLE	LEVEL	INT	EXT					
US12927		Use basic woodworking hand tools for elementary construction work	2	6						
US12935		Construct a spaced residential timber deck up to one metre high	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						
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>										
13CRP VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries			
Sector Related Credits		24								
Recommended Credits										

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, boatbuilder, cabinetmaker, material engineer, machinery operator, joiner, furniture maker. Y12 Carpentry introduces students to foundation building and construction skills.

CARPENTRY | (13CRP)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 3 Unit Standards: **22 Credits**

PREREQUISITES: HOD approval, US24354, US12935 and US24350, competency in Y12 Carpentry or competency in Hard Materials Technology or Electronics.

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 US29677 within the specified time frame in Term 1 to continue with this course.

COST / EQUIPMENT: \$15

13CRP			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US29684		Undertake a Stage 3 BCATS project	3	12				
US29677		Follow safe workplace practices, and contribute to a health and safety culture, in a BCATS environment	3	2				
US29678		Demonstrate knowledge of, select, and use materials for a Stage 3 BCATS project	3	4				
US29682		Select, use, and maintain tools, equipment and machinery for a Stage 3 BCATS project	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 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, boatbuilder, cabinetmaker, material engineer, machinery operator, joiner, furniture maker. Y13 Carpentry develops and advances students building and construction skills leading to industry and tertiary construction careers.

EARLY CHILDHOOD EDUCATION | (12ECE)

Teacher in Charge: Mrs Sonia Wensor

LEVEL: NCEA Level 2 Unit Standards: **21 Credits**

PREREQUISITES: Entry must be approved by the teacher in charge of Early Childhood Education. An interest in the wellbeing and education of young children is required.

LEARNING ACTIVITIES: This course provides students with an introduction to the field of Early Childhood Education. Students will gain a good understanding of issues relating to the care and education of young children, with a focus on development, health, hygiene and nutrition. In addition, students will be taught strategies for developing positive relationships with young children and their families.

COST / EQUIPMENT: \$50

12ECE			<i>NOT eligible for Course Endorsement</i>				CREDITS			
STANDARD	R/W	TITLE	LEVEL	INT	EXT					
US29852		Demonstrate knowledge of the basic needs and nutrition that support young children's holistic wellbeing and development	2	4						
US29853		Demonstrate knowledge of health issues and services available to protect and enhance the wellbeing of young children	2	3						
US29854		Describe personal and environmental hygiene and safety practices for the care of young children	2	2						
US29855		Describe attachment relationships and strategies used to support transitions for young children	2	3						
US29856		Describe and demonstrate care practices for infants and toddlers	2	2						
US29859		Describe values and beliefs that inform own personal approach to the learning and care of young children	2	4						
US29861		Identify and describe agencies/services available in the community to support young children and families	2	3						
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE										
12ECE VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries			
Sector Related Credits						21				
Recommended Credits										

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.

EARLY CHILDHOOD EDUCATION | (13ECE)

Teacher in Charge: Mrs Sonia Wensor

LEVEL: NCEA Level 3 Unit Standards: **19 Credits**

PREREQUISITES: Entry must be approved by the teacher in charge of Early Childhood Education. First priority will be given to students who have completed 12ECE. An interest in the wellbeing and education of young children is required.

LEARNING ACTIVITIES: This course expands on the knowledge and skills taught in the Level 2 ECE course with a large focus on the developmental stages of an infant through to a young child. Students will complete practical play activities to develop an understanding of how children play, and the types of play. They will have two one-day sessions of work experience at an early childhood education centre where they will complete part of their assessments. Professional conduct within an early childhood education centre is required.

COST / EQUIPMENT: \$50

13ECE			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US10026		Demonstrate knowledge children's development and learning and their 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 respectful, reciprocal and responsive relationships with a children in an ECE service	3	4				
US26707		Describe the value of play and create resources for children's development and learning in an ECE service	3	4				
US10013		Explain the relevance of the New Zealand Early Childhood Curriculum Te Whariki as a framework for programme development	3	2				
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								

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.

DESIGN AND VISUAL COMMUNICATION | (12DVC)

Teacher in Charge: Mrs Sonia Wensor

LEVEL: NCEA Level 2 Achievement Standards: **17 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. In addition, students will learn how to produce production drawings in line with industry practice.

COST / EQUIPMENT: \$25

12DVC		<i>Eligible for Course Endorsement</i>				CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT		
AS91340		Use the characteristics of a design movement or era to inform own design ideas	2	3			
AS91338		Use working drawings to communicate technical details of own design ideas	2		4		
AS91341		Develop a spatial design through graphics practice	2	6			
AS91343		Use visual communication techniques to compose a presentation of a design	2	4			
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>							
12DVC VOCATIONAL PATHWAY		<i>Construction and Infrastructure</i>	<i>Manufacturing and Technology</i>	<i>Primary Industries</i>	<i>Service Industries</i>	<i>Social and Community Services</i>	<i>Creative Industries</i>
Sector Related Credits		14	4				7
Recommended Credits			10	4			10

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 and technology and creative industries. Careers in these industries include: Architect, carpenter, quantity surveyor, engineer, artist, media designer and advertising manager.

● DESIGN AND VISUAL COMMUNICATION | (13DVC)

Teacher in Charge: Mrs Sonia Wensor

LEVEL: NCEA Level 3 Achievement Standards: **18 Credits, NZQA Scholarship**

PREREQUISITES: Achieved grades in AS91338 and AS91341 from the Level 2 DVC course. 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 and technology and construction and 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	R/W	TITLE	LEVEL	INT	EXT			
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			
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>								

PATHWAYS / CAREER RELEVANCE: A study of Design and Visual Communication in Year 13 will contribute to awards in creative industries, construction and infrastructure and manufacturing and 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.

DIGITAL TECHNOLOGIES | (12DTG)

Teacher in Charge: Mrs Sue Green

LEVEL: NCEA Level 2 Achievement Standards: **15 Credits** Unit Standards: **3 Credits**

PREREQUISITES: 12 credits at 11DTG or with the approval of the HOD.

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	R/W	TITLE	LEVEL	INT	EXT					
AS91899		Present a summary of developing a digital outcome	2		3					
AS91354		Undertake brief development to address an issue	2	4						
AS91355		Select and use planning tools to manage the development of an outcome	2	4						
AS91893		Use advanced techniques to develop a digital media outcome	2	4						
US29774		Use the main features and functions of a desktop publishing application to create documents	2	3						
<i>Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE</i>										
12DTG VOCATIONAL PATHWAY		<i>Construction and Infrastructure</i>	<i>Manufacturing and Technology</i>	<i>Primary Industries</i>	<i>Service Industries</i>	<i>Social and Community Services</i>	<i>Creative Industries</i>			
Sector Related Credits			7				13			
Recommended Credits		13	13	11			4			

PATHWAYS / CAREER RELEVANCE: This course opens the way to a wide variety of careers and interests. The 12DTG achievement standards provide sector related credits for creative industries and manufacturing and technology industries. Careers in these industries include, graphic designer, programmer, system analysis, advertising and sales manager, travel consultant, personal assistant engineer, and researcher.

DIGITAL TECHNOLOGIES | (13DTG)

Teacher in Charge: Mrs Sue Green

LEVEL: NCEA Level 3 Achievement Standards: **16 credits**. Unit Standards: **4 credits**

PREREQUISITES: 12 Level 2 Technology credits 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	R/W	TITLE	LEVEL	INT	EXT			
US29792		Use a desktop publishing application to produce documents	3	4				
AS91608		Undertake brief development to address an issue within a determined context	3	4				
AS91609		Undertake project management to support technological practice	3	4				
AS91635		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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								

PATHWAYS / CAREER RELEVANCE: This course opens the way to a wide variety of careers and interests. The 13DTG achievement 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.

FOOD AND NUTRITION | (12FAN)

Teacher in Charge: Mrs Sheena Matheson

LEVEL: NCEA Level 2 Achievement Standards: **19 Credits** NCEA Level 2 Unit Standard: **2 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

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				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12FAN VOCATIONAL PATHWAY			Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits						2		
Recommended Credits				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.

● FOOD AND NUTRITION | (13FAN)

Teacher in Charge: Mrs Sheena Matheson

LEVEL: NCEA Level 3 Achievement Standards: **19 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			
AS91466	R	Investigate a nutritional issue affecting the well-being of New Zealand society	3	5				
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			
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 University Entrance and tertiary study.

HOSPITALITY | (12HOS)

Teacher in Charge: Mrs Stephanie Van Niekerk

LEVEL: NCEA Level 2 Unit Standards: **20 Credits**

PREREQUISITES: Level 1 Hospitality is 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 1B5 book. Uniform for practical lessons must include covered shoes and hair net. No facial piercings and false fingernails are allowed.

12HOS			NOT eligible for Course Endorsement				CREDITS			
STANDARD	R/W	TITLE	LEVEL	INT	EXT					
US167		Practice food safety methods in a food business	2	4						
US13283		Prepare and present salads for service	2	2						
US13282		Prepare and present basic sandwiches for service	2	2						
US13272		Cook food items by baking	2	2						
US22234		Compare characteristics of international dishes and prepare and present international dishes	2	4						
US13276		Cook food items by grilling	2	2						
US13271		Cook food items by frying	2	2						
US13285		Handle and maintain knives in a commercial kitchen	2	2						
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE										
12HOS VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries			
Sector Related Credits					2					
Recommended Credits				5	19	19				

PATHWAYS / CAREER RELEVANCE: This course involves preparation and serving of food for the hospitality industry. Career pathways include, chef, hotel management, airline steward, tourism, service industry, food and beverage service, cookery, café work, restaurant work, apprenticeships in cookery and food and beverage. It contributes to sector credits towards Service Industry Vocational Pathway Awards.

HOSPITALITY – BARISTA | (13HOB)

Teacher in Charge: Mrs Stephanie Van Niekerk

LEVEL: NCEA Level 3 Unit Standards: **14 credits**

PREREQUISITES: Year 12 Hospitality is recommended. Must have US167 either through taking Level 2 Hospitality at school or through own study. Permission from Mrs Van Niekerk or the Faculty Leader is required if you do not meet these prerequisites. Students taking this course should be 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 school café on a day to day basis. 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 1B5 book. Uniform for practical lessons must include covered shoes and hair net. No facial piercings and false fingernails are allowed.

13HOB			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US17284		Demonstrate knowledge of coffee origin and production	3	3				
US17288		Prepare and present espresso beverages for service	3	5				
US13325		Prepare and bake basic cakes ,sponges ,and scones in a commercial kitchen	3	4				
US13282		Prepare, assemble, and present complex sandwiches for service in a commercial kitchen	3	2				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
13HOB VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
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.

HOSPITALITY – CULINARY | (13HOC)

Teacher in Charge: Mrs Stephanie Van Niekerk

LEVEL: NCEA Level 3 Unit Standards: **15 Credits**

PREREQUISITES: Year 12 Hospitality is recommended. Must have US167 either through taking Level 2 Hospitality at school or through own study. Permission from Mrs Van Niekerk or the Faculty Leader is required if you do not meet these prerequisites. Students taking this course should be 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 1B5 book. Uniform for practical lessons must include covered shoes and their own chef's hat and chef's jacket. No facial piercings or false fingernails are allowed.

13HOA			<i>NOT eligible for Course Endorsement</i>			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US18497		Demonstrate knowledge of culinary products terms	3	8				
US13316		Prepare and cook basic pasta dishes in a commercial kitchen	3	3				
US13314		Prepare and cook egg dishes in a commercial kitchen	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 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 and cookery apprenticeships.

INFORMATION TECHNOLOGY WITH WEB DESIGN | (12ITH)

Teacher in Charge: Mrs Ari Ram

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				<i>NOT eligible for Course Endorsement</i>			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US29776		Use the main features of an HTML editor to create a website	2	4				
US29775		Use the main features and functions of a web authoring and design tool to create a website	2	3				
US29771		Use the main features and functions of a presentation application for a purpose	2	2				
US111		Use a word processor to produce documents for a business or organisation	2	5				
US29770		Use the main features and functions of a spreadsheet application for a purpose	2	3				
US29777		Use the main features and functions of a database application to create and test a database	2	3				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12ITH VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits							9	
Recommended Credits		9	15	3	8	8	6	

PATHWAYS / CAREER RELEVANCE: This course 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.

PROGRAMMING AND DESIGN | (12PAD)

Teacher in Charge: Mr Barry Hook

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

PREREQUISITES: This course is designed for students who have an interest in programming. L1 Merit or Excellence in AS91883 or approval from the HOD. **Exclusions:** One standard offered in this course is also offered in 12DTG.

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 animation and image manipulation. These modern skills are becoming increasingly desirable in the workplace.

COST / EQUIPMENT: \$20 course materials.

12PAD				<i>Eligible for Course Endorsement</i>			CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91896		Use advanced programming techniques to develop a computer program	2	6				
AS91893		Use advanced techniques to develop a digital media outcome	2	4				
AS91898		Demonstrate understanding of a computer science concept	2		3			
US29773		Produce digital images for a range of digital media	2	3				
US18740		Create a computer program to meet a simple brief	2	3				
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12PAD VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
Sector Related Credits			17				4	
Recommended Credits							13	

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, website developer, database administrator, software engineer, computer technician, network manager, computer scientist, electronics engineer.

● PROGRAMMING AND DESIGN | (13PAD)

Teacher in Charge: Mr Barry Hook

LEVEL: NCEA Level 3 Achievement and Unit Standards: **20 Credits**

PREREQUISITES: Exclusions: Student must have gained 10 credits from L2 PAD standards or with the approval of the HOD. One Standard offered in this course is also offered in 13DTG.

LEARNING ACTIVITIES: Students doing this course will learn to program in Python which is the language of choice of most New Zealand universities.

COST / EQUIPMENT: \$20

13PAD			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
US18741		Create a computer program to provide a solution	3	6				
AS91635		Implement complex procedures to produce a specified digital media outcome	3	4				
AS91637		Develop a complex computer program for a specified task	3	6				
AS91636	R/W	Demonstrate an understanding of areas of computer science	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 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 achievement in AS91636 and AS91937 will be allowed to progress to a paper at Auckland University. This course links to the Creative Industries and the Technology Sectors and encompasses these sector related careers: Computer programmer, website developer, database administrator, software engineer, computer technician, network manager, computer scientist and electronics engineer.

TECHNOLOGY – MECHATRONICS | (12TEL)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 2 Achievement Standards: **16 Credits** Unit Standards: **3 Credits**

PREREQUISITES: Level 1 TEL AS91077, AS91078 or Level 1 literacy and numeracy and HOD approval.

LEARNING ACTIVITIES: This course prepares students to study for a Degree in Electronics or Mechatronics Engineering, a National Diploma in Electronic Engineering, or an apprenticeship in electrical or electronics fields. Students will learn about electronic theory and construct electro-mechanical products and robots.

COST / EQUIPMENT: \$60

12TEL			Eligible for Course Endorsement				CREDITS			
STANDARD	R/W	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						
AS91894		Use advanced techniques to develop an electronics outcome	2	6						
AS91360		Demonstrate understanding of redundancy and reliability in technological systems	2		4					
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE										
12TEL VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries			
Sector Related Credits		3	19							
Recommended Credits		4					3			

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. Also, further study for a degree in electronics engineering, technology, robotics or mechatronics.

TECHNOLOGY – MECHATRONICS | (13TEL)

Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 3 Achievement Standards: **19 Credits. NZQA Scholarship**

PREREQUISITES: Level 2 TEL AS91374, AS91375 or HOD approval.

LEARNING ACTIVITIES: This course prepares students to study for a Degree in Electronics or Mechatronics Engineering, a National Diploma in Electronic Engineering, or an apprenticeship in electrical or electronics fields. Students will learn about electronic theory and construct electro-mechanical products and robots. This course provides the opportunity for students to work towards scholarship.

COST / EQUIPMENT: \$60

13TEL			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91614	W	Demonstrate understanding of operational parameters in complex and highly complex technological systems	3		4			
AS91639		Implement complex interfacing procedures in a specified electronic environment	3	4				
AS91640		Implement complex techniques in constructing a specified complex electronic and embedded system	3	4				
AS91622		Implement complex procedures to make a specified product using a Computer Numerical Controlled (CNC) machine.	3	4				
As91625		Demonstrate understanding of a complex machine.	3	3				
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 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.

TECHNOLOGY – ENGINEERING MATERIALS | (12TEM)

Teacher in Charge: Mr Craig Yearbury

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

PREREQUISITES: Level 1 literacy and numeracy, 10 credits in a Technology or Digital Media subjects 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

12TEM			Eligible for Course Endorsement				CREDITS	
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91363		Demonstrate understanding of sustainability in Design	2		4			
AS91344		Implement advanced procedures using resistant materials to make a specified product	2	6				
AS91347		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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE								
12TEM VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries	
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.

● TECHNOLOGY – ENGINEERING MATERIALS | (13TEM) Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 3 Achievement Standards: **20 Credits. NZQA Scholarship**

PREREQUISITES: Level 1 literacy, 10 credits in a Level 2 Technology or Digital Media OR subject to 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

13TEM			<i>Eligible for Course Endorsement</i>			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91610		Develop a conceptual design considering fitness for purpose in the broadest sense	3	6				
AS91612	W	Demonstrate understanding of how technological modelling supports technological development and implementation	3		4			
AS91611		Develop a prototype considering fitness for purpose in the broadest sense	3	6				
AS91619		Demonstrate understanding of the application of a technical area to a specified field	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 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.

TECHNOLOGY – ENGINEERING PRACTICAL | (12TEP) Teacher in Charge: Mr Craig Yearbury

LEVEL: NCEA Level 2 Unit Standards: **17 Credits**

PREREQUISITES: Year 11 TEP, Year 11TMH, Year 11CAB preferred. US497. 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 US497 must complete this unit within the specified timeframe in Term 1 to continue with this course.

COST / EQUIPMENT: \$40 (\$315 for pocket motor bike – optional, Extra material costs may apply).

12TEP			<i>Not eligible for Course Endorsement</i>					CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT					
US21911		Demonstrate knowledge of safety on engineering worksites	2	2						
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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE										
12TEP VOCATIONAL PATHWAY		<i>Construction and Infrastructure</i>	<i>Manufacturing and Technology</i>	<i>Primary Industries</i>	<i>Service Industries</i>	<i>Social and Community Services</i>	<i>Creative Industries</i>			
Sector Related Credits			21				20			
Recommended Credits				8						

PATHWAYS / CAREER RELEVANCE: This course links to the manufacturing and technology, and construction and infrastructure sectors pathway. These pathways encompass careers in steel fabrication, welding, apprenticeship, engineer, construction, fitter and turner, machinist, roofer, steel worker, building, aluminium fabrication, fencing, and many more. Students build the foundation skills need for all trade career paths.

TECHNOLOGY – FASHION AND APPAREL | (12TFA)

Teacher in Charge: Mrs Sonia Wensor

LEVEL: NCEA Level 2 and 3 Unit Standards: **21 Credits**

PREREQUISITES: Year 11 Fashion and Design would be an advantage.

LEARNING ACTIVITIES: This is a practical course where 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			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12TFA VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
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. This course provides vocational pathways in manufacturing and technology, and creative industries. Careers in these industries include: Clothing designer, product designer, interior decorating, textiles design, costume designer, patternmaker, seamstress, merchandiser and work that involves using a creative design process.

TECHNOLOGY – FASHION AND DESIGN | (12TFD)

Teacher in Charge: Mrs Sonia Wensor

LEVEL: NCEA Level 2 Achievement Standards and Unit Standards: **18 Credits**

PREREQUISITES: Completion of Year 10 or Year 11 Fashion and Design or at the discretion of the teacher in charge of Fashion and Design.

LEARNING ACTIVITIES: In this course 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. This is a project-based unit, where work is presented in a portfolio. The aim is to support students to produce evidence that may be compiled into a professional portfolio for university applications.

COST / EQUIPMENT: \$60

12TFD			Eligible for Course Endorsement			CREDITS	
STANDARD	R/W	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			
US1540		Use visual communication techniques to generate design ideas	2		3		
Notes: R = Contributes to 5 L2 Reading credits for UE W = Contributes to 5 L2 Writing credits for UE							
12TFD VOCATIONAL PATHWAY		Construction and Infrastructure	Manufacturing and Technology	Primary Industries	Service Industries	Social and Community Services	Creative Industries
Sector Related Credits			6				9
Recommended Credits		6	6	6			6

PATHWAYS / CAREER RELEVANCE: A study of fashion and design opens the way to a wide variety of careers and interests. This course provides vocational pathways in construction and infrastructure, manufacturing and technology, and creative industries. Careers in these industries include: Clothing designer, product designer, interior decorating, film and television costume designer, patternmaker, seamstress, fashion stylist, textile design, merchandiser, fashion marketer, fashion buyer, production manager, fashion retail, fashion illustrator and work that involves critical analysis, marketing and project management through a creative design process.

● TECHNOLOGY – FASHION AND DESIGN | (13TFD)

Teacher in Charge: Mrs Sonia Wensor

LEVEL: NCEA Level 3 Achievement Standards: **16 Credits. NZQA Scholarship**

PREREQUISITES: Completion of either Year 11 or 12 Fashion and Design and achieved Level 1 literacy OR at the discretion of the teacher in charge of Fashion and Design.

LEARNING ACTIVITIES: This course provides students with the opportunity to explore textile pattern design and application methods to then apply their own design to fabric. Students will be taught advanced pattern drafting skills to design and develop their own garment for themselves or a client. This unit provides the opportunity for students to work towards scholarship.

COST / EQUIPMENT: \$60

13TFD			Eligible for Course Endorsement			CREDITS		
STANDARD	R/W	TITLE	LEVEL	INT	EXT			
AS91623		Implement complex procedures to create an applied design for a specified product	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. This course provides vocational pathways in construction and infrastructure, manufacturing and technology, and creative industries. Careers in these industries include: Clothing designer, product designer, interior decorating, film and television costume designer, patternmaker, seamstress, fashion stylist, textile design, merchandiser, fashion marketer, fashion buyer, production manager, fashion retail, fashion illustrator and work that involves critical analysis, marketing and project management through a creative design process.

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