

## JOHN PAUL COLLEGE ROTORUA

**Ma Te Pono Me Te Aroha**  
*(Through Faith and Love)*

# SENIOR COURSES BOOK 2017

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## **FUTURE DIRECTIONS**

Students and parents are encouraged to carefully read this booklet and consult staff about course selection. General criteria that should be taken into account are a student's interests, ability and career requirements. There will be an **OPTION SUBJECT INFORMATION EVENING ON WEDNESDAY 7<sup>TH</sup> SEPTEMBER 2016 – 5:30-7:00P.M** in the Edmund Rice Centre

## **NATIONAL QUALIFICATIONS (NCEA and SCHOLARSHIPS)**

The National Certificate of Educational Achievement (NCEA) is the main qualification for secondary school students in New Zealand. Students study courses based on achievement and unit standards at level 1, 2 and 3 to attain credits towards an NCEA qualification. Credits can be gained through internal and external assessment. There are different levels of NCEA (Levels 1, 2 and 3) usually done in Years 11, 12 and 13.

**NCEA Level One** 80 credits at Level One or above, including literacy and numeracy requirements. The requirement is 10 credits in literacy and 10 credits in numeracy. Literacy and numeracy credits are usually gained through English and Mathematics but other subjects can contribute as well.

**NCEA Level Two** 80 credits - a minimum of 60 credits at Level Two or above. A maximum of 20 credits Level One or above can contribute to NCEA Level Two.

**NCEA Level Three** 80 credits – a minimum of 60 credits at Level Three or above. A maximum of 20 credits at Level Two can contribute to NCEA Level Three.

### **Recognising High Achievement**

NCEA can be endorsed to reflect high achievement. It is worth trying to gain Merit and Excellence for standards you are good at, which may lead to endorsement. There are two types of endorsement: Certificate Endorsement and Course Endorsement.

**Certificate Endorsement:** If you gain 50 credits at Excellence level your NCEA will be endorsed with Excellence. If you gain 50 credits at Merit (or a mix of Merit and Excellence credits) your NCEA will be endorsed with Merit. Credits must be gained at the level of the certificate, or above.

**Course Endorsement:** If in a single year you gain 14 or more credits at Merit and/or Excellence for a course, you will gain endorsement in that course. Of these, at least 3 credits must be from externally assessed standards and 3 credits from internally assessed standards in that course. (Note: This condition does not apply to Physical Education (Sports Science), Religious Studies or Level 3 Visual Arts).

**University Entrance** To be awarded U.E you will need:  
**NCEA Level 3** Three subjects at Level 3 or above, made up of 14 credits each, in three approved subjects  
**Literacy** – 10 credits at Level 2 or above made up of 5 credits in reading and 5 credits in writing  
**Numeracy** – 10 credits at Level 1 or above, made up of achievement standards, specified achievements standards available through a range of subjects, or unit standards package of three numeracy unit standards (26623, 26626, 26627 – all three required).

Once you have met the requirements for University Entrance it will appear on your Record of Achievement.

Most universities and other tertiary institutions have additional requirements, particularly for entry into specific classes and it is important to check these out.

## Scholarship

This is a stand-alone qualification designed to extend very high-achieving level 3 students. There are substantial monetary awards for achieving well in Scholarship examinations. It is not a qualification. Scholarships are externally assessed and are designed to extend the very able students. Students sitting scholarship will be assessed on their ability to think laterally and in the abstract. The exams or portfolios cover the same content as Level 3 Achievement Standards but the standard of performance is much higher.

There are 5 classes or levels of monetary awards. They range in value from \$500 per subject to \$10,000 each year for 3 years. Further information of the above can be found on the following website [www.nzqa.govt.nz](http://www.nzqa.govt.nz)

## **YEAR 11, 12 and 13 COURSE EXPECTATIONS**

### **YEAR 11 COURSE (NCEA Level One)**

All students take Religious Studies, Physical Education, English, Mathematics and Science courses and two other subjects from a wide range of choices.

Students should choose their option subjects carefully as sometimes Level 1 subjects are a requirement for progress in that subject at Levels 2 and 3. Doing well in English, Mathematics and Science can help widen selection classes at Level 2 and above.

### **YEAR 12 COURSE (NCEA Level Two)**

All students take Religious Studies and then choose five other subjects from a wide range of subjects. Note that although English is not compulsory at this level students intending to go on to University must meet literacy requirements in Reading (5 credits) and Writing (5 credits) from an approved list of standards. Mathematics courses at this level are designed to meet the varying abilities and needs of students. Students need to choose carefully what Mathematics course they need and are able to do.

**It is strongly recommended that students enrol in an English course at Level 2.**

### **YEAR 13 COURSE (NCEA Level Three)**

All students take Religious Studies and then choose five other subjects from a wide range of subjects. Note that although English is not compulsory at this level, students intending to go on to University must meet literacy and numeracy requirements. Some University courses required high levels of English achievement. The New Zealand Scholarship Examination is available to students in most subject areas.

Students are encouraged to choose subjects that best meet their needs. This may involve some students particularly in Years 12 and 13 doing subjects at different levels (Multi-level studies) i.e. Levels 1, 2 and / or 3.

All students are encouraged to talk to subject teachers, Head of Faculties, Year Level Deans and the Careers Advisor Mrs Hewitson before deciding what subjects to take.

All subject choices need to be approved by the Faculty Heads and/or teachers in charge of subjects.

### **Head of Faculties are:**

Religious Studies	Mrs Bloomfield	E: <a href="mailto:karen.bloomfield@jpc.school.nz">karen.bloomfield@jpc.school.nz</a>	Phone 3478 795
Languages	Mr Bloomfield	E: <a href="mailto:stephen.bloomfield@jpc.school.nz">stephen.bloomfield@jpc.school.nz</a>	Xtn: 8844
Mathematics	Ms Cordonni	E: <a href="mailto:lara.cordonni@jpc.school.nz">lara.cordonni@jpc.school.nz</a>	Xtn: 8805
Sciences	Ms Ludascher	E: <a href="mailto:conny.ludascher@jpc.school.nz">conny.ludascher@jpc.school.nz</a>	Xtn: 8814
Social Sciences	Mr Baker	E: <a href="mailto:simon.baker@jpc.school.nz">simon.baker@jpc.school.nz</a>	Xtn: 8833
Technology	Mr Strachan	E: <a href="mailto:graham.strachan@jpc.school.nz">graham.strachan@jpc.school.nz</a>	Xtn: 8812
Arts	Mr Czyrek	E: <a href="mailto:matt.czyrek@jpc.school.nz">matt.czyrek@jpc.school.nz</a>	Xtn: 8835
Health/Physical Ed	Ms Northey	E: <a href="mailto:barb.northey@jpc.school.nz">barb.northey@jpc.school.nz</a>	Xtn: 8824
Careers Advisor	Mrs Hewitson	E: <a href="mailto:sheryl.hewitson@jpc.school.nz">sheryl.hewitson@jpc.school.nz</a>	Xtn: 8834
			Xtn: 8823

## RELIGIOUS STUDIES

Religious Studies is a compulsory course at all levels of the College and is an integral part of the Catholic Character of John Paul College, providing a systematic approach to what the Catholic Church believes, celebrates, lives and prays.

Religious Studies, as taught throughout the Secondary years, is based upon the NZ National Syllabus for Catholic Schools, *Understanding Faith*. The course enables students to acquire skills, knowledge and the appropriate attitudes and values.

Religious Studies is concerned with both religion and education. It is an educational discipline in its own right with the same systematic demands and rigour required of other subjects. The focus of the course is the beliefs and teachings of the Catholic Church.

At Years 11/12/13 it is an NCEA Course sitting alongside all other NCEA courses and the credits gained through Achievement Standards are counted for NCEA Certificate at Levels 1, 2 and 3.

There is a possibility of an alternative pathway for those students who are particularly academically able.

Students in Year Thirteen may be given the opportunity to take a university paper in year 13; students must have completed their level two or three Religious Studies credits to take this all of which should be at excellence level.

### RELIGIOUS STUDIES (RST) – LEVEL 1

<b>COURSE QUALIFICATION:</b>	<b>RELIGIOUS STUDIES LEVEL 1</b>
<b>DESCRIPTION:</b>	24 Credits towards NCEA Level 1 In accord with the requirements of the Special Character of the College, Year 11 will undertake a compulsory course of Religious Studies. All units studied will contribute towards the award of the National Certificate of Education, Level 1.
<b>ASSESSMENT</b>	100% Internal Assessment; students achieving 14 or more credits at merit or excellence level can have the subject endorsed with merit or excellence (as appropriate).

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 90816v2	<b>Understanding the Gospel Story</b> Describe the purpose of a sacred text within a religious tradition	INTERNAL	6 Credits	L1 Lit
AS 90817v2	<b>The Church's Story: The Modern Age</b> Describe a significant development within a religious tradition	INTERNAL	6 Credits	L1 Lit
AS 90818v2	<b>Conscience, Values and Morality</b> Describe the application of the key ethical principle(s) of a religious tradition to an issue	INTERNAL	6 Credits	L1 Lit
AS 90819v2	<b>The Holy Trinity</b> Describe key beliefs of a religious tradition	INTERNAL	6 Credits	L1 Lit

## **RELIGIOUS STUDIES (RST) – LEVEL 2**

<b>COURSE:</b>	<b>RELIGIOUS STUDIES LEVEL 2</b>
<b>QUALIFICATION:</b>	24 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	In accord with the requirements of the Special Character of the College, Year 12 will undertake a compulsory course of Religious Studies. All units studied will contribute towards the award of the National Certificate of Education, Level 2.
<b>ASSESSMENT:</b>	100% Internal Assessment; students achieving 14 or more credits at merit or excellence level can have the subject endorsed with merit or excellence (as appropriate).

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS91724v1	<b>Biblical Studies</b> Explain a significant theme in a sacred text within a religious tradition	INTERNAL	6 Credits	L1 Lit
AS90821v2	<b>Christian Art, Architecture and Music</b> Explain the changes in an expression(s) of a religious tradition	INTERNAL	6 Credits	L1 Lit
AS90822v2	<b>Justice and Peace</b> Explain how a contemporary social action derives from the ethical principles of a religious tradition	INTERNAL	6 Credits	L1 Lit
AS90823v2	<b>Religions of the World</b> Explain the key beliefs within two religious traditions in relation to a significant religious question	INTERNAL	6 Credits	L1 Lit

## **FAITH IN ACTION (FIA) – LEVEL 2**

<b>COURSE:</b>	<b>FAITH IN ACTION (FIA)</b>
<b>QUALIFICATION:</b>	18 credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This is a course designed for students who are participating in an alternative pathway. It has a greater practical component than the mainstream course. Students will spend one day a fortnight taking part in practical activities to support the local community and environment this may include the establishment of a community vegetable patch. These activities support a topic relating to Education for Sustainability. The aim of this element of the course is to develop the concept of service. They will also study two Religious Studies topics. The course will have limited entry.
<b>ASSESSMENT</b>	100% Internal Assessment
<b>SPECIAL ENTRY REQUIREMENTS:</b>	<b>Students may opt to take part in the course but entry will be at the discretion of the head of faculty.</b>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS90821v2	<b>Christian Art, Architecture and Music</b> Explain the changes in an expression(s) of a religious tradition	INTERNAL	6 Credits	L1 Lit
AS90822v2	<b>Justice and Peace</b> Explain how a contemporary social action derives from the ethical principles of a religious tradition	INTERNAL	6 Credits	L1 Lit
AS90810v1	<b>Faith in Action</b> Plan, implement and evaluate a personal action that will contribute towards a sustainable future	INTERNAL	6 Credits	L1 Lit

## **RELIGIOUS STUDIES (RST) – LEVEL 3**

<b>COURSE:</b>	<b>RELIGIOUS STUDIES LEVEL 3</b>
<b>QUALIFICATION:</b>	24 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	In accord with the requirements of the Special Character of the College, Year 13 students will undertake a compulsory course of Religious Studies. All units studied will contribute towards the award of the National Certificate of Education, Level 3. From 2012 Religious Studies has become an approved subject for university entrance.
<b>ASSESSMENT:</b>	100% Internal Assessment; students achieving 14 or more credits at merit or excellence level can have the subject endorsed with merit or excellence (as appropriate).

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS91725v1	<b>Jesus the Christ</b> Analyse the meanings in a sacred text within a religious tradition	INTERNAL	6 Credits	R Lit
AS90825v2	<b>Sects, Cults and New Religious Movements</b> Analyse a religious tradition(s) in Aotearoa New Zealand	INTERNAL	6 Credits	
AS90826v2	<b>Ethics</b> Analyse the response of a religious tradition to a contemporary ethical issue	INTERNAL	6 Credits	R Lit
AS90827v2	<b>Finding Meaning in Today's World</b> Analyse the key beliefs of a religious tradition and a secular world view in relation to ultimate questions	INTERNAL	6 Credits	R Lit

<b>COURSE:</b>	<b>FAITH IN ACTION (FIA)</b>
<b>QUALIFICATION:</b>	15 credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This is a course designed for students who are participating in an alternative pathway. It has a greater practical component than the mainstream course. Students will spend one day a fortnight taking part in practical activities to support the local community and environment. This will support a topic relating to <u>Interpersonal Communications</u> . The aim of this element of the course is to develop the concept of service. They will also study two Religious Studies topics. The course will have limited entry.
<b>ASSESSMENT</b>	100% Internal Assessment
<b>SPECIAL ENTRY REQUIREMENTS:</b>	<b>Students may opt to take part in the course but entry will be at the discretion of the head of faculty.</b>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS90825v2	<b>Sects, Cults and New Religious Movements</b> Analyse a religious tradition(s) in Aotearoa New Zealand	INTERNAL	6 Credits	
AS90826v2	<b>Ethics</b> Analyse the response of a religious tradition to a contemporary ethical issue	INTERNAL	6 Credits	R Lit
US9681v6	<b>Faith in Action</b> Contribute within a team or group which has an objective	INTERNAL	3 Credits	

# ENGLISH AND LANGUAGES

## Course Pathways

In 2017 we are offering a variety of English courses at each year level to better suit the needs and abilities of our students. The flowchart below will give you the possible pathways for the different courses

**At Level 1** (Year 11) we are offering 3 courses:

1. English (CEN) NCEA/IGCSE (Cambridge) if suitable numbers apply
2. English (ENA) NCEA
3. Applied English (AEN)

**At Level 2** (Year 12) we are offering 3 courses:

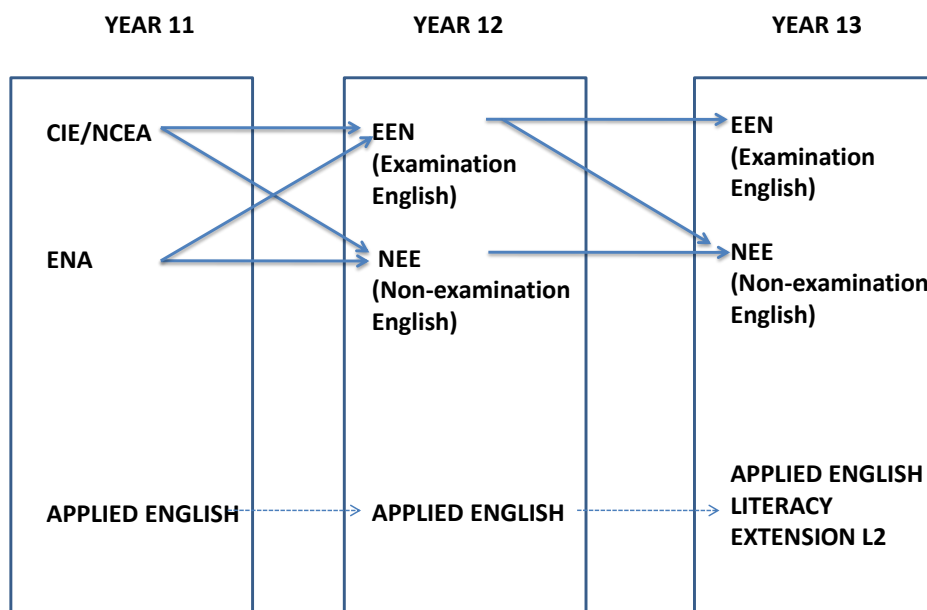
1. Examination English (EEN) NCEA for which you must have succeeded in at least two external papers at Level 1
2. Non-examination English (NEE) NCEA for which you must have at least 14 Level 1 credits
3. Applied English (AEN) focused on gaining UE literacy

**At Level 3** (Year 13) we are offering 2 courses for those who need English as part of their university study:

1. Examination English (EEN) NCEA for which you must have succeeded in at least two external papers at Level 2 and have teacher approval
2. Non- examination English (NEE) NCEA for which you must have succeeded in at least 14 credits at Level 2

Those students who require UE Literacy, but do not gain it in Year 12 may be required to re-visit Level 2 in Year 13.

## Pathways





## **ENGLISH (CEN) – CAMBRIDGE and NCEA LEVEL 1**

**NOTE:** This course will only take place if there are a sufficient number of students who wish to pursue it.

<b>COURSE:</b>	<b>CAMBRIDGE IGCSE AND ENGLISH NCEA LEVEL 1</b>
<b>QUALIFICATION:</b>	IGCSE English Literature and up to 22 credits towards NCEA Level 1
<b>DESCRIPTION:</b>	<p>This is a course designed for students who are <b>extremely competent</b> English students and who have an avid interest in English literature.</p> <p>Students will undertake a course of study that will enable them to engage with and enjoy language in all its varieties; understand, respond to, and use oral, written and visual language effectively in a range of contexts; and explore popular works of English literature to a challenging degree.</p>
<b>ASSESSMENT:</b>	<p><b>Students are required to gain 10 literacy credits to pass Level 1.</b></p> <p>External IGCSE literature exam 10 internal assessment Credits 12 external assessment Credits</p>
<b>ENTRY REQUIREMENTS:</b>	<p>Year 10 teacher recommendation <b>65% or above at Year 10 English</b></p>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90849 (1.1)	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence.	EXTERNAL	4 Credits	L1 Lit
AS 90850 (1.2)	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence.	EXTERNAL	4 Credits	L1 Lit
AS 90851 (1.3)	Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence.	EXTERNAL	4 Credits	L1 Lit
AS 90052 (1.4)	Produce creative writing.	INTERNAL	3 Credits	L1 Lit
AS 90053 (1.5)	Produce formal writing.	INTERNAL	3 Credits	L1 Lit
AS 90853 (1.9)	Use information literacy skills to form conclusion (s)	INTERNAL	4 Credits	L1 Lit
IGCSE Component 1 Literature Exam (1hr 30 mins)	External exam exploring one prose text and poetry	EXTERNAL	IGCSE award	
IGCSE Component 2 Drama (1 hr 30 mins)	External exam exploring two dramas	EXTERNAL	IGCSE award	

## **ENGLISH (ENA) – LEVEL 1**

<b>COURSE:</b>	<b>ENGLISH LEVEL 1</b>
<b>QUALIFICATION:</b>	Up to 26 credits towards NCEA Level 1
<b>DESCRIPTION:</b>	This is a course designed for students who are competent English students. Students will undertake a course of study that will enable them to engage with and enjoy language in all its varieties, understand, respond to, and use oral, written and visual language effectively in a range of contexts. <b>Students are required to gain 10 literacy credits to pass Level 1.</b>
<b>ASSESSMENT:</b>	14 internal assessment Credits 12 external assessment Credits
<b>ENTRY REQUIREMENTS:</b>	Year 10 teacher recommendation <b>55% or above at Year 10 English</b>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90849 (1.1)	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence.	EXTERNAL	4 Credits	L1 Lit
AS90850 (1.2)	Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence.	EXTERNAL	4 Credits	L1 Lit
AS 90851 (1.3)	Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence.	EXTERNAL	4 Credits	L1 Lit
AS 90052 (1.4)	Produce creative writing.	INTERNAL	3 Credits	L1 Lit
AS 90057 (1.6)	Construct and deliver an oral text	INTERNAL	3 Credits	L1 Lit
AS 90852 (1.8)	Explain connections across texts	INTERNAL	4 Credits	L1 Lit
AS 90853 (1.9)	Use information literacy skills to form conclusion (s)	INTERNAL	4 Credits	L1 Lit

## **APPLIED ENGLISH (AEN) – LEVEL 1**

<b>COURSE:</b>	<b>APPLIED ENGLISH LEVEL1</b>
<b>QUALIFICATION:</b>	Level 1 Achievement and Unit Standards Minimum 18 credits - a further 6 credits optional
<b>DESCRIPTION:</b>	<b>Students can gain Level 1 Literacy in this course</b> Students will work in the areas of active listening and positive communication skills. The focus of the course is to build confidence in communication in a practical sense, especially relating to workplace qualifications. The course will offer students an opportunity to gain the eight Literacy credits.
<b>ASSESSMENT:</b>	A range of internal Unit Standards and Achievement Standards.
<b>ENTRY REQUIREMENTS:</b>	The programme may be adapted at the start of next year. <b>Those students achieving below 55% in Year 10 English</b>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90052 (1.4)	Produce creative writing.	INTERNAL	3 Credits	L1 Lit
AS 90855 (1.7)	Create a visual text	INTERNAL	3 Credits	L1 Lit
AS 90854 (1.10)	Form personal response to independently read texts, supported by evidence.	INTERNAL	4 Credits	L1 Lit
AS 90856 (1.11)	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence.	INTERNAL	3 Credits	L1 Lit
US 10792	Write formal personal correspondence	INTERNAL	3 Credits	
US 3483	Fill in a form	INTERNAL	2 Credits	

***AS 1.5 Produce Formal Writing and 1.6 Construct and Deliver an Oral Text may be offered at subject teacher's discretion.***

## **ENGLISH AT YEAR 12 AND 13 IS OPTIONAL**

Please speak to Faculty staff or Mr Sinclair as entry into University courses, including the sciences/ medicine, etc. frequently have prerequisites in English.

University entrance requires a minimum of 10 University Entrance Literacy credits (five reading and five writing).

NOTE: Students who do not gain 10 literacy credits at Level 1 must select Applied English Level 2.

## **EXAMINATION ENGLISH (EEN) – LEVEL 2 NCEA**

NOTE: The first assessment on this course will be speech – see note below.

<b>COURSE:</b>	<b>EXAMINATION ENGLISH (EEN) LEVEL 2 NCEA</b>
<b>QUALIFICATION:</b>	Up to 29 credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This is a course designed for students who are <b>extremely competent</b> in English and are considering undertaking extra study towards Level Three & Scholarship. Students will undertake a course of study that will enable them to: *Engage with and enjoy language in all its varieties *Understand, respond to and use oral, written and visual language effectively in a range of contexts. <b><u>SPEECH IS A COMPULSORY ASSESSMENT IN THIS COURSE AND IS THE FIRST ASSESSMENT TO TAKE PLACE. DO NOT TAKE THIS COURSE IF YOU ARE NOT WILLING TO DO THIS AS YOU WILL BE ASKED TO LEAVE IN TERM 1</u></b>
<b>ASSESSMENT:</b>	17 internal assessment Credits 12 external assessment Credits Two external Cambridge AS literature exams
<b>ENTRY REQUIREMENTS:</b>	<b>Eighteen credits at NCEA Level One and / or consultation with the Head of Faculty. Marks must be at / or above merit level and include success in at least two external standards</b>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91098 (2.1)	Analyse specified aspect(s) of studied written text(s), supported by evidence	EXTERNAL	4 Credits	B Lit
AS 91099 (2.2)	Analyse specified aspect (s) of studied visual or oral text(s), supported by evidence	EXTERNAL	4 Credits	W Lit
AS 91100 (2.3)	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	EXTERNAL	4 Credits	B Lit
AS 91101 (2.4)	Produce a selection of crafted and controlled writing	INTERNAL	6 Credits	W Lit
AS 91102 (2.5)	Construct and deliver a crafted and controlled oral text	INTERNAL	3 Credits	
AS 91105 (2.8)	Use information literacy skills to form developed conclusion(s)	INTERNAL	4 Credits	R Lit
AS 91106 (2.9)	Wide reading	INTERNAL	4 Credits	R Lit

## **NON-EXAMINATION ENGLISH (NEE) – LEVEL 2 NCEA**

**NOTE:** The first assessment on this course will be speech – see note below.

<b>COURSE:</b>	<b>NON-EXAMINATION ENGLISH LEVEL 2 NCEA</b>
<b>QUALIFICATION:</b>	Up to 21 credits towards NCEA Level 2
<b>DESCRIPTION:</b>	<p>This is a course designed for students who are competent in English and may be considering undertaking extra study towards Level Three.</p> <p>Students will undertake a course of study that will enable them to:</p> <ul style="list-style-type: none"><li>*Engage with and enjoy language in all its varieties</li><li>*Understand, respond to and use oral, written and visual language effectively in a range of contexts.</li></ul> <p><b><u>SPEECH IS A COMPULSORY ASSESSMENT IN THIS COURSE AND IS THE FIRST ASSESSMENT TO TAKE PLACE. DO NOT TAKE THIS COURSE IF YOU ARE NOT WILLING TO DO THIS AS YOU WILL BE ASKED TO LEAVE IN TERM 1</u></b></p>
<b>ASSESSMENT:</b>	21 internal assessment Credits
<b>ENTRY REQUIREMENTS:</b>	<p><b>Eighteen credits at NCEA Level One and / or consultation with the Head of Faculty.</b></p> <p><b>Marks must be mainly at / or above merit level.</b></p>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91101 (2.4)	Produce a selection of crafted and controlled writing	INTERNAL	6 Credits	W Lit
AS 91102 (2.5)	Construct and deliver a crafted and controlled oral text	INTERNAL	3 Credits	
AS 91104 (2.7)	Analyse significant connections across texts	INTERNAL	4 Credits	
AS 91105 (2.8)	Use information literacy skills to form developed conclusion(s)	INTERNAL	4 Credits	R Lit
AS 91106 (2.9)	Form developed personal responses to independently read texts, supported by evidence	INTERNAL	4 Credits	R Lit

***This course is flexible enough to allow teachers to replace some of the above standards to those more suited to the teaching group or offer additional opportunities to gain credits.***

## **APPLIED ENGLISH (AEN) – LEVEL 2**

<b>COURSE:</b>	<b>APPLIED ENGLISH LEVEL 2</b>
<b>QUALIFICATION:</b>	Up to 21 credits Level Two Achievement Standard
<b>DESCRIPTION:</b>	<p><b>This course can provide enough English credits for U.E. entry.</b></p> <p>This course is designed for those students who have completed an Applied English Course at Year 11, but wish to gain essential Literacy credits at level 2. The priority will be to gain UE literacy credits in standards 2.4, 2.8 and 2.9. Students will work in the area of active listening and developing reading and writing skills. The focus of the course is to build confidence in communication in a practical sense. Regular comprehension, basic skills and general reading are also a part of the course. This course will have a thematic approach. The course is also aimed at providing Year 12 students an opportunity to gain more English credits without the demands of the external standards of the Level 2 Achievement Standard course.</p>
<b>ASSESSMENT:</b>	Achievement Standards relevant to Literacy for U.E entrance.
<b>ENTRY REQUIREMENTS:</b>	<b>Fifteen credits at NCEA Level One - discussion with class teacher/ HOF.</b> <b>Completion of a Level 1 English course</b>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91101 (2.4)	Produce a selection of crafted and controlled writing	INTERNAL	6 Credits	W Lit
AS 91105 (2.8)	Use information literacy skills to form developed conclusions	INTERNAL	4 Credits	R Lit
AS 91106 (2.9)	Form developed personal responses to independently read texts supported by evidence	INTERNAL	4 Credits	R Lit
<b>PLUS ONE OF THE FOLLOWING:</b>				
AS 91102 (2.5)	Construct and deliver a crafted and controlled oral text	INTERNAL	3 Credits	
AS 91103 (2.6)	Create a crafted and controlled visual and verbal text	INTERNAL	3 Credits	
AS 91104 (2.7)	Analyse significant connections across texts supported by evidence	INTERNAL	4 Credits	
AS 91107 (2.10)	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	INTERNAL	3 Credits	

***This course will explore other options for gaining Level 2 credits.***

## **EXAMINATION ENGLISH (EEN) – LEVEL 3 NCEA**

**NOTE:** The first assessment on this course will be speech – see note below.

<b>COURSE QUALIFICATION:</b>	<b>EXAMINATION ENGLISH LEVEL 3 NCEA</b>
<b>DESCRIPTION:</b>	NCEA Level 3 up to 25 credits This is a course designed for students who are <b>extremely competent</b> in English and have wide reading skills. It is strongly recommended that students are able and enjoy essay writing as well as reading. <b><u>SPEECH IS A COMPULSORY ASSESSMENT IN THIS COURSE AND IS THE FIRST ASSESSMENT TO TAKE PLACE. DO NOT TAKE THIS COURSE IF YOU ARE NOT WILLING TO DO THIS AS YOU WILL BE ASKED TO LEAVE IN TERM 1</u></b>
<b>ASSESSMENT:</b>	<b>This course will provide excellent preparation for university study.</b> 13 Credits internal assessment 12 Credits external assessment
<b>ENTRY REQUIREMENTS:</b>	<b>A minimum of 15 NCEA Level 2 Credits</b> <b>External preliminary results must be high merit or excellence including success in at least two external standards at Level 2.</b> <b>Consultation with Head of Faculty</b>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY/ NUMERACY</b>
AS 91472 (3.1)	Respond critically to specified aspect(s) of studied written text(s), supported by evidence	EXTERNAL	4 Credits	B Lit
AS 91473 (3.2)	Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	EXTERNAL	4 Credits	W Lit
AS 91474 (3.3)	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	EXTERNAL	4 Credits	B Lit
AS 91475 (3.4)	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	INTERNAL	6 Credits	W Lit
AS 91476 (3.5)	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	INTERNAL	3 Credits	
AS 91479 (3.8) OR AS 91478 (3.7)	Develop an informed understanding of literature and/or language using critical texts OR Respond critically to connections across texts/	INTERNAL	4 Credits	R Lit (3.8)

***This course is flexible enough to allow teachers to replace some of the above standards to those more suited to the teaching group.***

## **NON-EXAMINATION ENGLISH (ENA) – LEVEL 3 NCEA**

**NOTE:** The first assessment on this course will be speech – see note below.

<b>COURSE QUALIFICATION:</b>	<b>NON-EXAMINATION ENGLISH LEVEL 3 NCEA</b>
<b>DESCRIPTION:</b>	NCEA Level 3 up to 20 credits This is a course designed for students who are <b>extremely competent</b> in English. It is strongly recommended that students are able and enjoy essay writing as well as reading. <b><u>SPEECH IS A COMPULSORY ASSESSMENT IN THIS COURSE AND IS THE FIRST ASSESSMENT TO TAKE PLACE. DO NOT TAKE THIS COURSE IF YOU ARE NOT WILLING TO DO THIAS AS YOU WILL BE ASKED TO LEAVE IN TERM 1.</u></b>
<b>ASSESSMENT:</b>	20 Credits internal assessment
<b>ENTRY REQUIREMENTS:</b>	<b>A minimum of 14 NCEA Level 2 Credits</b> <b>External preliminary results must be high merit or excellence</b> <b>Consultation with Head of Faculty</b>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91475 (3.4)	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	INTERNAL	6 Credits	W Lit
AS 91476 (3.5)	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	INTERNAL	3 Credits	
AS 91478 (3.7)	Respond critically to significant connections across texts, supported by evidence	INTERNAL	4 Credits	
AS 91479 (3.8)	Develop an informed understanding of literature and/or language using critical texts	INTERNAL	4 Credits	R Lit
AS 91480 (3.9)	Respond critically to significant aspects of visual/oral text through close reading	INTERNAL	3 Credits	

***This course is flexible enough to allow teachers to replace some of the above standards to those more suited to the teaching group.***

## **FRENCH (FRE)**

<b>COURSE QUALIFICATION:</b>	<b>FRENCH LEVEL1</b>
<b>DESCRIPTION:</b>	24 credits towards Level 1 NCEA This builds on the Year 10 French Course. Students will learn to understand and produce more complex language. They will learn to communicate beyond the immediate context, for example, about past and future events. They will also understand and produce a variety of text types.
<b>ASSESSMENT:</b>	14 internal assessment Credits 10 external assessment Credits
<b>ENTRY REQUIREMENTS:</b>	<b>Completion of Year 10 French course and consultation with Head of Faculty.</b>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
AS 90878 (1.1)	<b>Listening:</b> Demonstrate understanding of a variety of spoken French texts relating to areas of most immediate relevance	EXTERNAL	5 Credits
AS 90879 (1.2)	<b>Speaking:</b> Give a spoken presentation in French that communicates a personal response	INTERNAL	4 Credits
AS 90880 (1.3)	<b>Conversation:</b> Interact using spoken French to communicate personal information, ideas and opinions in different situations	INTERNAL	5 Credits
AS 90881 (1.4)	<b>Reading:</b> Demonstrate understanding of a variety of written/ visual French texts relating to areas of most immediate relevance	EXTERNAL	5 Credits
AS 90882 (1.5)	<b>Writing:</b> Write a variety of text types in French on areas of most immediate relevance	INTERNAL	5 Credits

## **FRENCH (FRE) LEVEL 2**

<b>COURSE QUALIFICATION:</b>	<b>FRENCH LEVEL2</b>
<b>DESCRIPTION:</b>	24 credits NCEA Level 2 This is a language course aimed at improving French reading, writing, listening and speaking skills in less familiar contexts
<b>ASSESSMENT:</b>	10 external assessment credits 14 internal assessment credits
<b>ENTRY REQUIREMENTS:</b>	At least 14 Credits at NCEA Level 1 French

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
AS 91118 (2.1)	Demonstrate understanding of spoken French texts on familiar matters	EXTERNAL	5 Credits
AS 91120 (2.2)	Give a spoken presentation in French that communicates information, ideas and opinions	INTERNAL	4 Credits
AS 91119 (2.3)	Interact using spoken French to share and justify information, ideas and opinions in different situations.	INTERNAL	5 Credits
AS 91121 (2.4)	Demonstrate understanding of a variety of written/visual French text(s) on familiar matters	EXTERNAL	5 Credits
AS 91122 (2.5)	Write a variety of text types in French for genuine contexts.	INTERNAL	5 Credits



## **FRENCH (FRE) LEVEL 3**

<b>COURSE QUALIFICATION:</b>	<b>FRENCH LEVEL 3</b>
<b>DESCRIPTION:</b>	24 credits NCEA Level 3 This is a language course aimed at proficiency in French reading, writing, listening and speaking, which will enable students to understand much of what is written or spoken by other speakers of French in a wide range of contexts
<b>ASSESSMENT:</b>	10 external assessment credits 14 internal assessment credits
<b>ENTRY REQUIREMENTS:</b>	At least 14 Credits at NCEA Level 2 French

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>
AS 91543 (3.1)	Demonstrate understanding of a variety of extended spoken French texts	EXTERNAL	5 Credits
AS 91544 (3.2)	Give a clear spoken presentation in French that communicates a critical response to stimulus material.	INTERNAL	3 Credits
AS 91545 (3.3)	Interact clearly using spoken French to explore and justify varied ideas and perspectives in different situations.	INTERNAL	6 Credits
AS 91546 (3.4)	Demonstrate understanding of a variety of extended written and/or visual French texts.	EXTERNAL	5 Credits
AS 91547 (3.5)	Write a variety of text types in clear French to explore and justify varied ideas and perspectives.	INTERNAL	5 Credits

## **SPANISH (SPA) LEVEL 1**

<b>COURSE QUALIFICATION:</b>	<b>SPANISH LEVEL1</b>
<b>DESCRIPTION:</b>	24 credits towards Level 1 NCEA This builds on the Year 10 Spanish Course. Students will learn to understand and produce more complex language. They will learn to communicate beyond the immediate context, for example, about past and future events. They will also understand and produce a variety of text types.
<b>ASSESSMENT:</b>	14 internal assessment Credits 10 external assessment Credits
<b>ENTRY REQUIREMENTS:</b>	<b>Completion of Year 10 Spanish course and consultation with Head of Faculty.</b>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
AS 90908 (1.1)	<b>Listening:</b> Demonstrate understanding of a variety of spoken Spanish texts relating to areas of most immediate relevance	EXTERNAL	5 Credits
AS 90909 (1.2)	<b>Speaking:</b> Give a spoken presentation in Spanish that communicates a personal response	INTERNAL	4 Credits
AS 90910 (1.3)	<b>Conversation:</b> Interact using spoken Spanish to communicate personal information, ideas and opinions in different situations	INTERNAL	5 Credits
AS 90911 (1.4)	<b>Reading:</b> Demonstrate understanding of a variety of written/ visual Spanish texts relating to areas of most immediate relevance	EXTERNAL	5 Credits
AS 90912 (1.5)	<b>Writing:</b> Write a variety of text types in Spanish on areas of most immediate relevance	INTERNAL	5 Credits

## **SPANISH (SPA) LEVEL 2**

<b>COURSE QUALIFICATION:</b>	<b>SPANISH LEVEL2</b>
<b>DESCRIPTION:</b>	24 credits NCEA Level 2 This is a language course aimed at improving Spanish reading, writing, listening and speaking skills in less familiar contexts
<b>ASSESSMENT:</b>	10 external assessment credits 14 internal assessment credits
<b>ENTRY REQUIREMENTS:</b>	At least 14 Credits at NCEA Level 1 Spanish

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
AS 91148 (2.1)	Demonstrate understanding of spoken Spanish texts on familiar matters	EXTERNAL	5 Credits
AS 91149 (2.2)	Give a spoken presentation in Spanish that communicates information, ideas and opinions	INTERNAL	4 Credits
AS 91150 (2.3)	Interact using spoken Spanish to share and justify information, ideas and opinions in different situations.	INTERNAL	5 Credits
AS 91151 (2.4)	Demonstrate understanding of a variety of written/visual Spanish text(s) on familiar matters	EXTERNAL	5 Credits
AS 91152 (2.5)	Write a variety of text types in Spanish for genuine contexts.	INTERNAL	5 Credits

## **TE REO MĀORI (MAO) LEVEL 1**

<b>COURSE QUALIFICATION DESCRIPTION ASSESSMENT</b>	<b>TE REO LEVEL 1</b> 30 Credits towards Level 1 NCEA Students undertaking Maori at this level should have some knowledge of the language 18 Credits internal assessment 12 Credits external assessment
<b>ENTRY REQUIREMENTS</b>	<b>Completion of Year 10 Maori course.</b>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91085 (1.1)	Whakarongo kia mōhio ki te reo o tōna ao	INTERNAL	6 Credits	L1 Lit
AS 91086 (1.2)	Kōrero kia whakamahi i te reo o tōna ao	INTERNAL	6 Credits	L1 Lit
AS 91087 (1.3)	Pānui kia mohio ki te reo o tōna ao	EXTERNAL	6 Credits	L1 Lit
AS 91088 (1.4)	Tuhi i te reo o tōna ao	EXTERNAL	6 Credits	L1 Lit
AS 91089 (1.5)	Waihanga tuhinga i te reo o tona ao	INTERNAL	6 Credits	L1 Lit

## **TE REO MĀORI (MAO) LEVEL 2**

<b>COURSE QUALIFICATION DESCRIPTION ASSESSMENT</b>	<b>TE REO LEVEL 2</b> 28 Credits towards Level 2 NCEA Students undertaking Maori at this level should have some knowledge of the language 16 Credits internal assessment 12 Credits external assessment
<b>ENTRY REQUIREMENTS</b>	<b>Credit Year 11 Te Reo Maori</b>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91284 (2.1)	Whakarongo kia mōhio ki te reo o te ao torotoro	INTERNAL	4 Credits	L1 Lit
AS 91285 (2.2)	Kōrero kia whakamahi i te reo o te ao torotoro	INTERNAL	6 Credits	L1 Lit
AS 91286 (2.3)	Pānui kia mōhio ki te reo o te ao torotoro	EXTERNAL	6 Credits	L1 Lit, R Lit
AS 91287 (2.4)	Tuhi i te reo o te ao torotoro	EXTERNAL	6 Credits	L1 Lit, W Lit
AS 91288 (2.5)	Waihanga tuhinga auaha i te reo o te ao torotoro	INTERNAL	6 Credits	L1 Lit, W Lit

## **TE REO MĀORI (MAO) LEVEL 3**

<b>COURSE:</b>	<b>TE REO LEVEL 3</b>
<b>QUALIFICATION:</b>	28 Credits towards Level 3 NCEA
<b>DESCRIPTION:</b>	Students undertaking Maori at this level should have some knowledge of the language
<b>ASSESSMENT:</b>	16 Credits internal assessment 12 Credits external assessment
<b>ENTRY REQUIREMENTS:</b>	<b>Credit Year 12 Te Reo Maori</b>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91650 (3.1)	Whakarongo kia mohio ki te reo Māori o te ao whānui	INTERNAL	4 Credits	L1 Lit
AS 91651 (3.2)	Kōrero kia whakamahi i te reo Māori o te ao whānui	INTERNAL	6 Credits	L1 Lit
AS 91652 (3.3)	Pānui kia mohio ki te reo Māori o te ao whānui	EXTERNAL	6 Credits	L1 Lit, R Lit
AS 91653 (3.4)	Tuhi i te reo o te ao whānui	EXTERNAL	6 Credits	L1 Lit, W Lit
AS 91654 (3.5)	Waihanga tuhinga whai take, i te reo Māori o te ao whānui	INTERNAL	6 Credits	L1 Lit, W Lit

## **MĀORI PERFORMING ARTS (MPA) LEVEL 3**

<b>COURSE:</b>	<b>PERFORMING ARTS – Level 3</b>
<b>QUALIFICATION:</b>	10 Credits towards Level 3 NCEA
<b>ASSESSMENT:</b>	30% - Written - internal assessment 70% - Practical - external assessment
<b>ENTRY REQUIREMENTS:</b>	<b>Must be in Kapa Haka and demonstrate equivalent knowledge and skills</b>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
Perform a Maori performing arts bracket US22756	Demonstrate performance of a Maori performance arts bracket (at least 4 items) of the following: <ul style="list-style-type: none"> <li>- Whakaeke</li> <li>- Waiata</li> <li>- Waiata-a-ringa</li> <li>- Poi</li> <li>- Haka</li> <li>- Whakamutunga</li> </ul>	INTERNAL	10 Credits

## MATHEMATICS (MAT)

In 2017 we are offering a variety of mathematics courses at each curriculum level to better suit the needs and abilities of our students. The flowchart below will give you the possible pathways for the different courses

At Level 1 we are offering 4 courses:

1. Mathematics (CMA) NCEA/IGCSE (Cambridge)
2. Mathematics (MAA) NCEA course A
3. Mathematics (MAB) NCEA course B
4. Applied Mathematics (AMA)

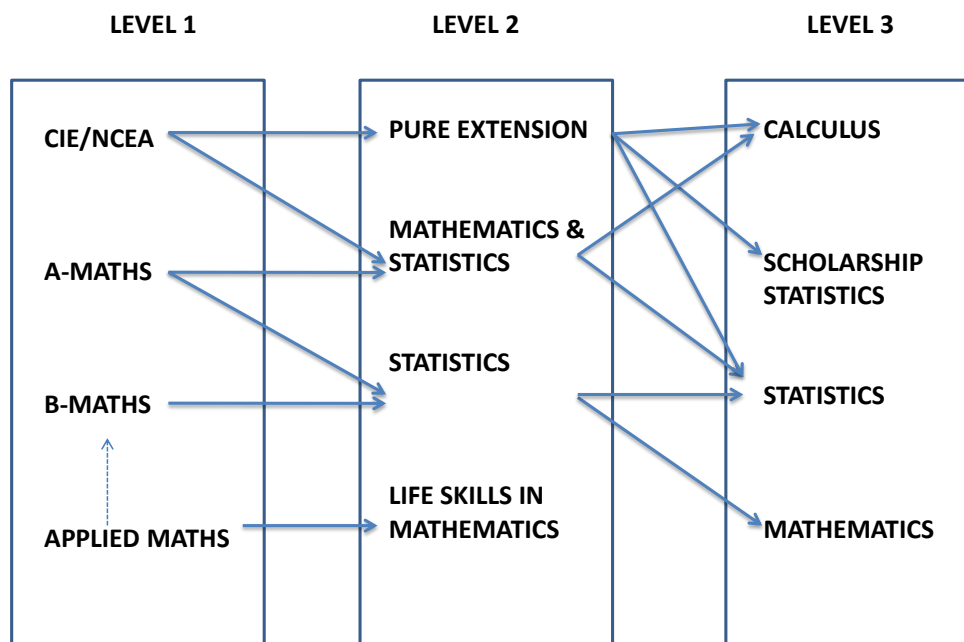
At Level 2 we are offering 4 courses

1. Mathematics Extension (MAE)
2. Mathematics & Statistics (MAS)
3. Statistics (MST)
4. Life skills in Mathematics (MLS)

At Level 3 we are offering 4 courses

1. Calculus (MAC)
2. Statistics (MSA)
3. Mathematics (MAT)
4. Scholarship Statistics (MSS)

## Pathways



## **MATHEMATICS – LEVEL 1**

In 2017, FOUR different level 1 Mathematics courses will be offered.

### **MATHEMATICS (CMA) LEVEL 1 NCEA / IGCSE (Cambridge)**

<b>COURSE QUALIFICATION DESCRIPTION:</b>	<b>MATHEMATICS LEVEL 1 / IGCSE YEAR 11</b> 24 Credits towards NCEA Level 1 This is a course designed for students who are <b>very competent</b> mathematics students. Students will undertake a course of study in the strands of number, algebra, geometry, statistics and probability up to and including Level 6 of the New Zealand Mathematics Curriculum
<b>ASSESSMENT:</b>	2 Internally Assessed Achievement Standards (8 Credits ) 4 Externally Assessed Achievement Standards (16 Credits )
<b>ENTRY REQUIREMENTS:</b>	By invitation – PAT test score/ Year 10 teacher recommendation.
<b>COURSE COST</b>	<b>IGCSE = NZ\$120 (this may fluctuate with the exchange rate)</b>

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91026 (1.1)	<b>Number:</b> Apply numeric reasoning in solving problems.	INTERNAL	4 Credits	Num
AS 91027 (1.2)	<b>Algebra:</b> Apply algebraic methods in solving problems.	EXTERNAL	4 Credits	Num
AS 91028 (1.3)	<b>Graphs:</b> Investigate relationships between tables, equations and graphs.	EXTERNAL	4 Credits	Num
AS 91031 (1.6)	<b>Geometry:</b> Apply geometric reasoning in solving problems.	EXTERNAL	4 Credits	Num
AS 91035 (1.10)	<b>Statistics:</b> Investigate a given multivariate data set using the Statistical Enquiry Cycle.	INTERNAL	4 Credits	L1 Lit, Num
AS 91037 (1.12)	<b>Probability:</b> Demonstrate an understanding of chance and data.	EXTERNAL	4 Credits	Num

### **IGCSE (Cambridge) Year 11**

The following topics will be covered in the IGCSE syllabus: Number, Graphs, Measurement, Algebra, Trigonometry, Geometry, Statistics, Probability, Matrices, Vectors, Linear Programming. All topics are assessed in the end-of-year exam in October/November.

<b>EXTENDED</b>	<b>ASSESSMENT</b>	<b>Number of Credits</b>
Paper 2 (short-answer questions)	EXTERNAL (A - E grade)	35% weighting
Paper 4 (structured paper)	EXTERNAL (A - E grade)	65% weighting

## **MATHEMATICS COURSE A (MAA) LEVEL 1**

<b>COURSE QUALIFICATION DESCRIPTION:</b>	<b>MATHEMATICS LEVEL 1 - COURSE A</b> 24 Credits towards NCEA Level 1 This is a course designed for students who are <b>competent</b> mathematics students. Students will undertake a course of study in the strands of number, algebra, geometry, statistics and probability up to and including Level 6 of the New Zealand Mathematics Curriculum
<b>ASSESSMENT:</b>	2 Internally Assessed Achievement Standards (8 Credits ) 4 Externally Assessed Achievement Standards (16 Credits )
<b>ENTRY REQUIREMENTS</b>	PAT test score / year 10 results

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91026 (1.1)	<b>Number:</b> Apply numeric reasoning in solving problems.	INTERNAL	4 Credits	Num
AS 91027 (1.2)	<b>Algebra:</b> Apply algebraic methods in solving problems.	EXTERNAL	4 Credits	Num
AS 91028 (1.3)	<b>Graphs:</b> Investigate relationships between tables, equations and graphs.	EXTERNAL	4 Credits	Num
AS 91031 (1.6)	<b>Geometry:</b> Apply geometric reasoning in solving problems	EXTERNAL	4 Credits	Num
AS 91035 (1.10)	<b>Statistics:</b> Investigate a given multivariate data set using the Statistical Enquiry Cycle.	INTERNAL	4 Credits	L1 Lit, Num
AS 91037 (1.12)	<b>Probability:</b> Demonstrate an understanding of chance and data.	EXTERNAL	4 Credits	Num

## **MATHEMATICS COURSE B (MAB) LEVEL 1**

<b>COURSE QUALIFICATION DESCRIPTION:</b>	<b>MATHEMATICS LEVEL 1 - COURSE B</b> 19 Credits towards NCEA Level 1 This is a course designed for students who are achieving Mathematics but find Algebra challenging. Students will undertake a course of study in the strands of number, linear algebra, trigonometry, statistics and probability up to and including Level 6 of the New Zealand Mathematics Curriculum.
<b>ASSESSMENT:</b>	3 Internally Assessed Achievement Standards (11 Credits ) 2 Externally Assessed Achievement Standards (8 Credits )
<b>ENTRY REQUIREMENTS</b>	PAT test score / year 10 results

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91026 (1.1)	<b>Number:</b> Apply numeric reasoning in solving problems	INTERNAL	4 Credits	Num
AS 91028 (1.3)	<b>Graphs:</b> Investigate relationships between tables, equations and graphs.	EXTERNAL	4 Credits	Num
AS 91029 (1.4)	<b>Linear Algebra:</b> Apply linear algebra in solving problems	INTERNAL	3 Credits	Num
AS 91035 (1.10)	<b>Statistics:</b> Investigate a given multivariate data set using the Statistical Enquiry Cycle.	INTERNAL	4 Credits	L1 Lit, Num
AS 91037 (1.12)	<b>Probability:</b> Demonstrate an understanding of chance and data.	EXTERNAL	4 Credits	Num

**Note: Achievement Standards can be replaced or deleted at the discretion of the teacher.**

## **APPLIED MATHEMATICS (AMA) – LEVEL 1**

<b>COURSE:</b>	<b>APPLIED MATHEMATICS (AMA) LEVEL 1</b>
<b>QUALIFICATION</b>	Level 1 Achievement and Unit Standards Minimum 10 credits - a further 11 credits optional <b>Students can gain Level 1 Numeracy in this course</b>
<b>DESCRIPTION:</b>	<p>This course is designed to guide students in meeting the numeracy requirements for NCEA level 1. To gain numeracy, students have to complete a package of three numeracy unit standards (total of 10 credits - <b>all</b> three required).</p> <p>This course will develop student's understanding of basic Mathematics skills. The main focus is to build confidence in Numeracy in a practical sense, especially relating to workplace qualifications. Students will undertake a course of study in the strands of number, measurement and statistics up to and including Level 5 of the New Zealand Mathematics Curriculum.</p>
<b>ASSESSMENT:</b>	A range of internal Unit Standards and Achievement Standards.
<b>ENTRY REQUIREMENTS:</b>	<p>Students will be identified during Year 10 and will be advised to take this course on the basis of their current level of Mathematical skills.</p> <p><b>It is assumed that those students achieving below the Curriculum level in Year 10 will choose this course.</b></p>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
US 26623	Use number to solve problems.	INTERNAL	4 Credits	Num
US 26627	Use measurement to solve problems.	INTERNAL	3 Credits	Num
US 26626	Interpret statistical information for a purpose	INTERNAL	3 Credits	Num
AS 91026 (1.1)	<b>Number:</b> Apply numeric reasoning in solving problems	INTERNAL	4 Credits	Num
AS 91030 (1.5)	<b>Measurement:</b> Apply measurement in solving problems	INTERNAL	3 Credits	Num
AS 91035 (1.10)	<b>Statistics:</b> Investigate a given multivariate data set using the Statistical Enquiry Cycle.	INTERNAL	4 Credits	L1 Lit, Num

***Note: Achievement Standards can be added, replaced or deleted at the discretion of the teacher.***



## **MATHEMATICS – LEVEL 2**

### **MATHEMATICS EXTENSION (MAE) – NCEA LEVEL 2**

<b>COURSE:</b>	<b>MATHEMATICS COURSE LEVEL 2 NCEA</b>
<b>QUALIFICATION:</b>	26 Credits towards NCEA Level 2 Achievement Standards
<b>DESCRIPTION:</b>	This is a course designed for students who are <b>very competent</b> mathematics students. This course will progress to Level 3 and scholarship Calculus and/or Statistics. Students will undertake a course of study in the topics of algebra, graphs, calculus, co-ordinate geometry, statistics, probability and trigonometry, up to and including Level 7 of the New Zealand Mathematics Curriculum.
<b>ASSESSMENT:</b>	4 Internally Assessed Achievement Standards (13 Credits) 3 Externally Assessed Achievement Standards (13 Credits)
<b>ENTRY REQUIREMENTS:</b>	By invitation. A student will have at least a B mark in IGCSE and completed a full programme of Achievement Standards at NCEA Level 1, gained at least Merit in Algebra, Graphs, Statistics and Probability.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91256 (2.1)	<b>Coordinate Geometry:</b> Apply coordinate geometry techniques to points and lines.	INTERNAL	2 Credits	Num
AS 91257 (2.2)	<b>Graphs:</b> Apply graphical models in solving problems	INTERNAL	4 Credits	Num
AS 91259 (2.4)	<b>Trigonometry:</b> Apply trigonometric relationships to solving problems.	INTERNAL	3 Credits	Num
AS 91261 (2.6)	<b>Algebra:</b> Apply algebraic methods in solving problems.	EXTERNAL	4 Credits	Num
AS 91262 (2.7)	<b>Calculus:</b> Apply calculus methods in solving problems.	EXTERNAL	5 Credits	Num
AS 91264 (2.9)	<b>Statistics:</b> Use statistical methods to make an inference.	INTERNAL	4 Credits	L1 Lit, Num
AS 91267 (2.12)	<b>Probability:</b> Demonstrate understanding of probability.	EXTERNAL	4 Credits	L1 Lit, Num

***Note: Achievement Standards can be replaced or deleted at the discretion of the teacher.***

## **MATHEMATICS & STATISTICS (MAS) – NCEA LEVEL 2**

<b>COURSE:</b>	<b>MATHEMATICS &amp; STATISTICS LEVEL 2 NCEA</b>
<b>QUALIFICATION:</b>	26 Credits towards NCEA Level 2 Achievement Standards
<b>DESCRIPTION:</b>	This is a course designed for students who are competent mathematics students. This course will progress to Level 3 Calculus and/or Statistics. Students will undertake a course of study in the topics of algebra, graphs, calculus, co-ordinate geometry, statistics, probability and trigonometry, up to and including Level 7 of the New Zealand Mathematics Curriculum.
<b>ASSESSMENT:</b>	4 Internally Assessed Achievement Standards (13 Credits) 3 Externally Assessed Achievement Standards (13 Credits)
<b>ENTRY REQUIREMENTS:</b>	A student will have completed a full programme of Achievement Standards at NCEA Level 1, gained Merit in at least 3 of the level 1 achievement standards.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91256 (2.1)	<b>Coordinate Geometry:</b> Apply coordinate geometry techniques to points and lines.	INTERNAL	2 Credits	Num
AS 91257 (2.2)	<b>Graphs:</b> Apply graphical models in solving problems	INTERNAL	4 Credits	Num
AS 91259 (2.4)	<b>Trigonometry:</b> Apply trigonometric relationships in solving problems.	INTERNAL	3 Credits	Num
AS 91261 (2.6)	<b>Algebra:</b> Apply algebraic methods in solving problems.	EXTERNAL	4 Credits	Num
AS 91262 (2.7)	<b>Calculus:</b> Apply calculus methods in solving problems.	EXTERNAL	5 Credits	Num
AS 91264 (2.9)	<b>Statistics:</b> Use statistical methods to make an inference.	INTERNAL	4 Credits	L1 Lit, Num
AS 91267 (2.12)	<b>Probability:</b> Demonstrate understanding of probability.	EXTERNAL	4 Credits	L1 Lit, Num

## **STATISTICS (MST) – LEVEL 2**

<b>COURSE:</b>	<b>STATISTICS COURSE LEVEL 2 YEAR 12</b>
<b>QUALIFICATION:</b>	17 credits towards NCEA Level 2 Achievement Standards
<b>DESCRIPTION:</b>	<p>This course is for those students who did not achieve a full Level 1 course last year. It is expected that students will have gained 15 or less Credits from Achievement Standards and will not have achieved Algebra.</p> <p>This is a course designed for students who would have difficulty in successfully completing a full NCEA Level 2 Achievement Standards Mathematics Course. The course has a Statistics &amp; Probability focus and will prepare students for Statistics at level 3.</p>
<b>ASSESSMENT:</b>	<p>5 Internally Assessed Achievement Standards (13 Credits )</p> <p>1 Externally Assessed Achievement Standards (4 Credits )</p>
<b>ENTRY REQUIREMENTS:</b>	Students will have followed NCEA Course A or B in Year 11 and will have achieved up to 15 credits from Achievement Standards.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY/ NUMERACY</b>
AS 91260 (2.5)	<b>Geometry:</b> Use networks in solving problems	INTERNAL	2 Credits	Num
AS 91264 (2.9)	<b>Statistics:</b> Use statistical methods to make an inference.	INTERNAL	4 Credits	L1 Lit, Num
AS 91265 (2.10)	<b>Statistics:</b> Conduct an experiment to investigate a situation using statistical methods.	INTERNAL	3 Credits	L1 Lit R Num
AS 91266 (2.11)	<b>Statistics:</b> Evaluate a statistically based report.	INTERNAL	2 Credits	Num, R
AS 91267 (2.12)	<b>Probability:</b> Demonstrate an understanding of probability.	EXTERNAL	4 Credits	L1 Lit, Num
AS 91268 (2.13)	<b>Probability:</b> Investigate a situation using a simulation	INTERNAL	2 Credits	L1 Lit, Num

Note: Achievement Standards can be replaced or deleted at the discretion of the teacher.

## **LIFE SKILLS IN MATHEMATICS (MLS) – LEVEL 2**

<b>COURSE:</b>	<b>LIFE SKILLS IN MATHEMATICS COURSE LEVEL 2 YEAR 12</b>
<b>QUALIFICATION:</b>	19 credits towards NCEA Level 2 Unit and Achievement Standards
<b>DESCRIPTION:</b>	This course is for those students who did not achieve a full Level 1 course last year. It is expected that students will have gained 15 or less Credits from Achievement Standards and will not have achieved Algebra.  This is a course designed for students who would have difficulty in successfully completing a full NCEA Level 2 Achievement Standards Mathematics Course.
<b>ASSESSMENT:</b>	3 Internally Assessed Achievement Standards at level 2 (7 Credits) 4 Internally Assessed Unit standard at level 2 (12 credits)
<b>ENTRY REQUIREMENTS:</b>	Students will have followed the Applied Mathematics or NCEA Course B in Year 11 and will have achieved up to 15 credits from Achievement Standards.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91260 (2.5)	<b>Geometry:</b> Use networks in solving problems	INTERNAL	2 Credits	Num
AS 91265 (2.10)	<b>Statistics:</b> Conduct an experiment to investigate a situation using statistical methods	INTERNAL	3 Credits	Num
AS 91268 (2.13)	<b>Probability:</b> Investigate a situation using a simulation	INTERNAL	2 Credits	Num
US 28094	<b>Budget:</b> Produce a balanced budget and adjust the budget to reflect changing financial circumstances	INTERNAL	3 Credits	
US 28096	<b>Insurance:</b> Evaluate and select insurance product types in relation to events for personal finances	INTERNAL	3 Credits	
US28097	<b>Banking:</b> Evaluate and select personal banking products and services in relation to personal financial needs	INTERNAL	3 Credits	
US 18237	<b>Visitor Services:</b> Calculations for a Tourism workplace	INTERNAL	3 credits	Num

***Note: This course is under review. Standards can be replaced or deleted at the discretion of the teacher.***

## **CALCULUS (MAC) – LEVEL 3**

<b>COURSE:</b>	<b>CALCULUS LEVEL 3</b>
<b>QUALIFICATION:</b>	NCEA Calculus Level 3 with 24 credits
<b>DESCRIPTION:</b>	This is a pure Mathematics course designed for students who are <b><u>very competent</u></b> mathematics students. Students will undertake a course of study in the topics of algebra, differentiation, integration, trigonometry and linear programming up to and including Level 8 of the New Zealand Mathematics Curriculum. Students must have <b><u>strong algebra skills</u></b> to cope with the demands of this course.
<b>ASSESSMENT:</b>	2 Internally Assessed Achievement Standard (7 credits) 3 Externally Assessed Achievement Standards (17 credits)
<b>ENTRY REQUIREMENTS:</b>	<b>Full NCEA Level 2 Course, Achievement in 2.2 Graphs, 2.4 Trigonometry; Merit in 2.6 Algebra, and 2.7 Calculus Achievement Standards required</b>

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91574 (3.2)	<b>Linear Programming:</b> Apply linear programming methods in solving problems	INTERNAL	3 Credits	Num
AS 91575 (3.3)	<b>Trigonometry:</b> Apply trigonometric methods in solving problems	INTERNAL	4 Credits	Num
AS 91577 (3.5)	<b>Algebra:</b> Apply algebraic methods in solving problems	EXTERNAL	5 Credits	Num
AS 91578 (3.6)	<b>Calculus:</b> Apply differentiation methods in solving problems.	EXTERNAL	6 Credits	Num
AS 91579 (3.7)	<b>Calculus:</b> Apply integration methods in solving problems.	EXTERNAL	6 Credits	Num

***Note: Achievement Standards can be replaced or deleted at the discretion of the teacher.***

## **SCHOLARSHIP STATISTICS (MSS) – LEVEL 3**

<b>COURSE:</b>	<b>SCHOLARSHIP STATISTICS LEVEL 3</b>
<b>QUALIFICATION:</b>	28 credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This course is designed for <b>extremely competent</b> Mathematics students. This is a full Statistics course developing a range of reporting, statistical analysis and probability skills. Students will undertake a course of study in the topics of statistical investigation, statistical literacy and probability up to and including Level 8 of the New Zealand Mathematics Curriculum.
<b>ASSESSMENT:</b>	4 Internally Assessed Achievement Standards worth 16 credits 3 Externally Assessed Achievement Standards worth 12 credits
<b>ENTRY REQUIREMENTS:</b>	A minimum of 15 NCEA Level 2 Credits External preliminary results must be high merit or excellence including success in at least two external standards at Level 2. Endorsed with Excellence in English Level 1. <b>Consultation with Head of Faculty</b>

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91580 (3.8)	<b>Time Series:</b> Investigate time series data LIT	INTERNAL	4 Credits	L1 Lit, Num
AS 91581 (3.9)	<b>Bi-variate Data:</b> Investigate bi-variate measurement data	INTERNAL	4 Credits	L1 Lit, Num
AS 91582 (3.10)	<b>Statistical Inference:</b> Use statistical methods to make a formal inference	INTERNAL	4 Credits	L1 Lit, Num
AS 91583 (3.11)	<b>Experiments:</b> Conduct an experiment to investigate a situation using experimental design principles	INTERNAL	4 Credits	L1 Lit, Num
AS 91584 (3.12)	<b>Statistical Reports:</b> Critically evaluate statistically based reports	EXTERNAL	4 Credits	Num W Lt
AS 91585 (3.13)	<b>Probability;</b> Apply probability concepts in solving problems	EXTERNAL	4 Credits	Num
AS 91586 (3.14)	<b>Probability Distributions:</b> Apply probability distributions in solving problems	EXTERNAL	4 Credits	Num

***Note: Achievement Standards can be replaced or deleted at the discretion of the teacher.***

### **STATISTICS (MSA) – LEVEL 3**

<b>COURSE:</b>	<b>STATISTICS LEVEL 3</b>
<b>QUALIFICATION:</b>	24 credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This is a full Statistics course developing a range of reporting, statistical analysis and probability skills. This course is designed for <b>very competent</b> Mathematics students. Students will undertake a course of study in the topics of statistical investigation, statistical literacy and probability up to and including Level 8 of the New Zealand Mathematics Curriculum.
<b>ASSESSMENT:</b>	4 Internally Assessed Achievement Standards worth 12 credits 3 Externally Assessed Achievement Standards worth 12 credits
<b>ENTRY REQUIREMENTS:</b>	<b>Full NCEA Level 2 Course, Achievement in 2.1 Algebra, 2.2 Graphs, 2.5 Statistics and 2.6 Probability or Endorsement with Merit in the level 2 Mathematics B course</b>

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91580 (3.8)	<b>Time Series:</b> Investigate time series data LIT	INTERNAL	4 Credits	L1 Lit, Num
AS 91581 (3.9)	<b>Bi-variate Data:</b> Investigate bi-variate measurement data	INTERNAL	4 Credits	L1 Lit, Num
AS 91582 (3.10)	<b>Statistical Inference:</b> Use statistical methods to make a formal inference	INTERNAL	4 Credits	L1 Lit, Num
AS 91584 (3.12)	<b>Statistical Reports:</b> Critically evaluate statistically based reports	EXTERNAL	4 Credits	Num W Lt
AS 91585 (3.13)	<b>Probability;</b> Apply probability concepts in solving problems	EXTERNAL	4 Credits	Num
AS 91586 (3.14)	<b>Probability Distributions:</b> Apply probability distributions in solving problems	EXTERNAL	4 Credits	Num

**Note: Achievement Standards can be replaced or deleted at the discretion of the teacher.**

### **MATHEMATICS (MAT) – LEVEL 3**

<b>COURSE:</b>	<b>MATHEMATICS - LEVEL 3</b>
<b>QUALIFICATION:</b>	18 credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This course is for those students who did not achieve a full Level 2 course last year and are interested in further developing their Statistics skills. It is expected that students will have gained 12 credits from Achievement Standards. Students will undertake a course of study in the topics of statistical investigation, statistical literacy and probability up to and including Level 8 of the New Zealand Mathematics Curriculum.
<b>ASSESSMENT:</b>	4 Internally Assessed Achievement Standards worth 14 credits 1 Externally Assessed Achievement Standards worth 4 credits
<b>ENTRY REQUIREMENTS:</b>	<b>12 credits at level 2 and level 2 literacy</b>

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91580 (3.8)	<b>Time Series:</b> Investigate time series data LIT	INTERNAL	4 Credits	L1 Lit, Num
AS 91581 (3.9)	<b>Bi-variate Data:</b> Investigate bi-variate measurement data	INTERNAL	4 Credits	L1 Lit, Num
AS 91582 (3.10)	<b>Statistical Inference:</b> Use statistical methods to make a formal inference	INTERNAL	4 Credits	L1 Lit, Num
AS 91585 (3.13)	<b>Probability;</b> Apply probability concepts in solving problems	EXTERNAL	4 Credits	Num
AS 91587 (3.15)	<b>Equations:</b> Apply systems of simultaneous equations when solving problems	INTERNAL	2 Credits	Num

**Note: Achievement Standards can be replaced or deleted at the discretion of the teacher.**

# SCIENCE

The Science Faculty operates a no resit policy for internal assessments as students are offered multiple opportunities to achieve throughout the year. Resubmissions may occasionally be offered to students who have made minor mistakes that they can quickly correct without further teaching.

All Level 3 courses are University Entrance approved subjects and are fully endorsable.

## Science Course Pathways

In 2017, we are offering a variety of Science courses at each NCEA level to better suit the needs and abilities of our students. The flowchart below will give you the possible pathways for the different courses.

At Level 1, we are offering three courses:

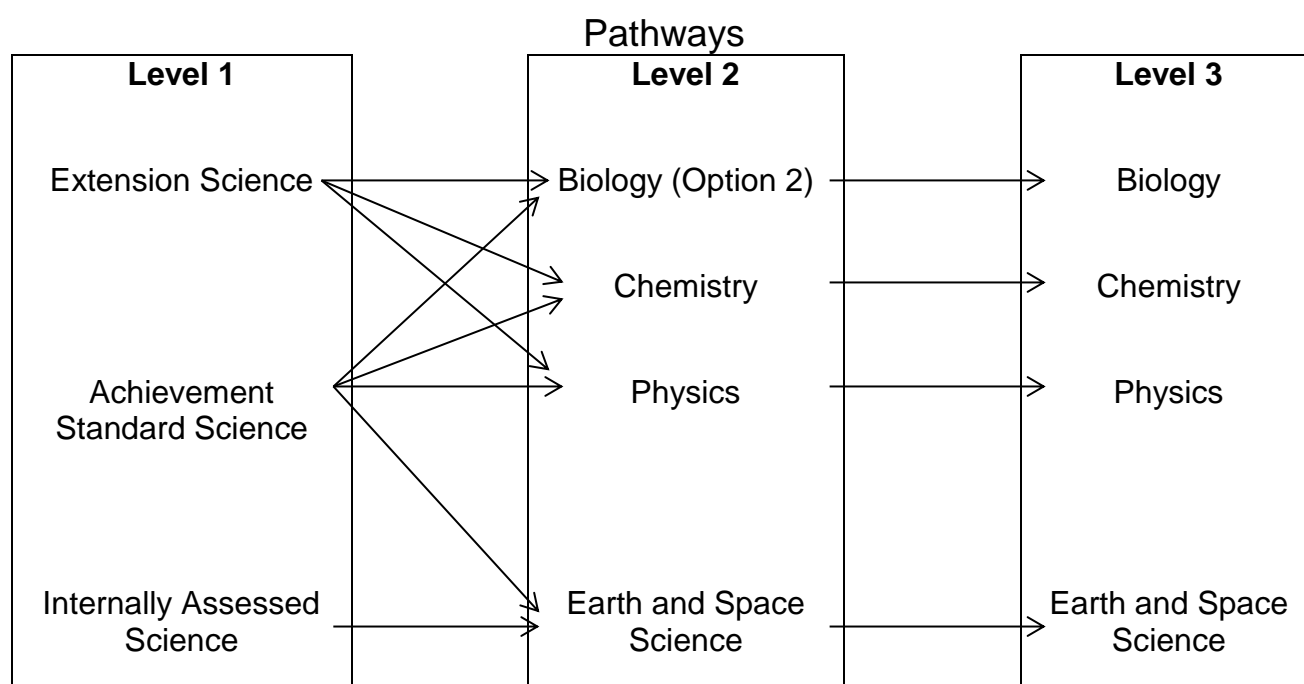
1. Extension Science (ESC)
2. Achievement Standard Science (ASC)
3. Internally Assessed Science (ISC)

At Level 2, we are offering four courses:

1. Earth and Space Science (ESS) for which you must have succeeded in at least two standards (internal or external) at Level 1;
2. Biology (BIO) for which you must have succeeded in at least two external papers at Level 1;
3. Chemistry (CHE) for which you must have succeeded in at least two external papers at Level 1;
4. Physics (PHY) for which you must have succeeded in at least two external papers at Level 1.

At Level 3, we are offering four courses:

1. Earth and Space Science (ESS)
2. Biology (BIO) for which you must have succeeded in at least two external papers at Level 2;
3. Chemistry (CHE) for which you must have succeeded in at least two external papers at Level 2;
4. Physics (PHY) for which you must have succeeded in at least two external papers at Level 2.





## **SCIENCE – LEVEL 1**

In 2017, THREE different Year 11 Science courses will be offered for students.

- **23 Credit Extension Science course tailored for students intending to do two or more Level 2 specialist Science courses (Biology, Chemistry or Physics). Entrance will be based upon achievement in Year 10.**

<b>COURSE:</b>	<b>EXTENSION SCIENCE (11ESC)</b>
<b>QUALIFICATION:</b>	23 Credits towards NCEA Level 1
<b>DESCRIPTION:</b>	This course is designed for students that have a very good ability in Science and are considering <b>at least two Level 2 specialist Science</b> courses. Students who undertake this course of study will investigate aspects of Science to do with the Living, Physical and Material Worlds.
<b>ASSESSMENT:</b>	12 Credits internally assessed 11 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	On the recommendation of the Year 10 Science teacher in consultation with the Head of Faculty. Students should be achieving at or above their curriculum level

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS90925	Carry out a practical investigation in a biological context, with direction	INTERNAL	4 Credits	Num
AS90929	Demonstrate understanding of biological ideas relating to a mammal as a consumer	EXTERNAL	3 Credits	L1 Lit
AS90930	Carry out a practical chemistry investigation, with direction	INTERNAL	4 Credits	Num
AS90934	Demonstrate understanding of aspects of chemical reactions	EXTERNAL	4 Credits	
AS90942	Investigate implications of wave behaviour for everyday life	INTERNAL	4 Credits	Num
AS90939	Demonstrate understanding of aspects of heat	EXTERNAL	4 Credits	Num

- **A 24 Credit Achievement Science course for students intending to do at least one Level 2 Science course (Biology, Chemistry, Physics or Earth and Space Science).**

<b>COURSE:</b>	<b>ACHIEVEMENT SCIENCE (11ASC)</b>
<b>QUALIFICATION:</b>	Up to 24 Credits offered towards NCEA Level 1
<b>DESCRIPTION:</b>	This course is designed for students that have a good ability in Science and are considering at least one Level 2 Science course. Students who undertake this course of study will investigate aspects of Science to do with the Living, Physical and Material Worlds as well as Planet Earth and Beyond.
<b>ASSESSMENT:</b>	12 Credits internally assessed 12 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	On the recommendation of the Year 10 Science teacher in consultation with the Head of Faculty. Students should be achieving <b>at or above</b> their curriculum level

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	INTERNAL	4 Credits	Num
AS90930	Carry out a practical chemistry investigation, with direction	INTERNAL	4 Credits	Num
AS90925	Carry out a practical investigation in a biological context, with direction	INTERNAL	4 Credits	Num
AS90940	Demonstrate understanding of aspects of mechanics	EXTERNAL	4 Credits	Num
AS90944	Demonstrate understanding of aspects of acids and bases	EXTERNAL	4 Credits	
AS90948	Demonstrate understanding of biological ideas relating to genetic variation	EXTERNAL	4 Credits	L1 Lit
AS90954*	<i>Demonstrate understanding of the effects of astronomical cycles on planet Earth</i>	INTERNAL	4 Credits	L1 Lit

**\*Optional Achievement Standard – offered at teacher’s discretion.**

- ***A 12 – 14 Credit internally assessed Science course. This course is designed for students who have not achieved well in Year 10. Students completing this course successfully will be able to progress into the ASC Level 1 Science course. They will not be able to opt for any of the specialist Sciences at Level 2.***

<b>COURSE:</b>	<b>INTERNALLY ASSESSED SCIENCE (11ISC)</b>
<b>QUALIFICATION:</b>	12 – 14 Credits towards NCEA Level1; a <u>selection</u> of the following standards will be offered at the discretion of the subject teacher.
<b>DESCRIPTION:</b>	This course is designed for students who would have been achieving <b>below level 5</b> of the Science Curriculum in Year 10
<b>ASSESSMENT:</b>	Fully internally assessed.
<b>ENTRY REQUIREMENTS:</b>	On the recommendation of the Year 10 Science teacher in consultation with the Head of Faculty. Students not achieving at level 5 of the Science Curriculum in Year 10 Science should choose this course.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS90923	Demonstrate knowledge of basic plant propagation techniques	INTERNAL	4 Credits	L1 Lit
AS90946	Investigate the implications of the properties of metals for their use in society	INTERNAL	4 Credits	
AS90930	Carry out a practical chemistry investigation, with guidance	INTERNAL	4 Credits	Num
AS90925	Carry out a practical investigation in a biological context, with direction	INTERNAL	4 Credits	Num
AS90954	Demonstrate understanding of the effects of astronomical cycles on planet Earth	INTERNAL	4 Credits	L1 Lit

***Achievement Standards offered may be subject to change***

## **EARTH AND SPACE SCIENCE (ESS) – LEVEL 2**

<b>COURSE:</b>	<b>EARTH AND SPACE SCIENCE LEVEL 2</b>
<b>QUALIFICATION:</b>	Up to 20 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This course is designed for students who enjoy Science and wish to continue with it, but don't want to take any of the single Sciences. A good ability in Science understanding and processes is required.
<b>ASSESSMENT:</b>	8 Credits internally assessed 12 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	At least 8 Credits achieved from Level 1 Science, or at the discretion of the Faculty Head

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91191	Demonstrate understanding of the causes of extreme Earth events in New Zealand	EXTERNAL	4 Credits	L1 Lit
AS 91192	Demonstrate understanding of stars and planetary systems	EXTERNAL	4 Credits	L1 Lit
AS 91193	Demonstrate understanding of physical principles related to the Earth System	EXTERNAL	4 Credits	L1 Lit
AS 91187	Carry out a practical Earth and Space Science investigation	INTERNAL	4 Credits	L1 Lit, Num
AS 91190	Investigate how organisms survive in an extreme environment	INTERNAL	4 Credits	L1 Lit

## **EARTH AND SPACE SCIENCE (ESS) – LEVEL 3**

<b>COURSE:</b>	<b>EARTH AND SPACE SCIENCE LEVEL 3</b>
<b>QUALIFICATION:</b>	This course will cover six Achievement Standards (AS) worth a total of 20 credits towards Level 3 NCEA.
<b>DESCRIPTION:</b>	This course is designed for students who wish to continue their science education. It will contribute to a balanced timetable of learning.
<b>ASSESSMENT:</b>	16 credits internally assessed 8 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	At the discretion of the Head of Faculty.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS91410	Carry out an independent practical Earth and Space Science investigation	INTERNAL	4 Credits	L1 Lit, B Lit, Num
AS91411	Investigate a socio-scientific issue in an Earth and Space Science context	INTERNAL	4 Credits	L1 Lit, B Lit
AS91412	Investigate the evidence related to dating geological events	INTERNAL	4 Credits	L1 Lit
AS91413	Demonstrate understanding of processes in the ocean system	EXTERNAL	4 Credits	L1 Lit, B Lit
AS91415	Investigate an aspect of astronomy	INTERNAL	4 Credits	L1 Lit, R Lit

## **BIOLOGY (BIO) – LEVEL 2**

<b>COURSE:</b>	<b>BIOLOGY LEVEL 2</b>
<b>QUALIFICATION:</b>	Up to 22 Credits offered towards NCEA Level 2
<b>DESCRIPTION:</b>	This course is designed for students who have a good ability and an interest in Biology. The course will include one biological investigation, a research task and will cover a variety of topics ranging from adaptation, variation and cells to gene expression.
<b>ASSESSMENT:</b>	10 Credits internally assessed 12 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	16 level 1 Science Credits, including two Biology standards. 8 of the 16 Credits must be from external assessments. Or on the recommendation of the Year 11 Science teacher in consultation with the Head of Faculty.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS91153	Carry out a practical investigation in a Biology context with supervision	INTERNAL	4 Credits	Num
AS91154	Analyse the biological validity of information presented to the public	INTERNAL	3 Credits	L1 Lit
AS91155	Demonstrate understanding of adaptation of plants or animals to their way of life	INTERNAL	3 Credits	L1 Lit
AS91156	Demonstrate understanding of life processes at the cellular level	EXTERNAL	4 Credits	L1 Lit
AS91157	Demonstrate understanding of genetic variation and change	EXTERNAL	4 Credits	L1 Lit
AS91159	Demonstrate understanding of gene expression	EXTERNAL	4 Credits	L1 Lit

### **BIOLOGY (BIO) – LEVEL 3**

<b>COURSE:</b>	<b>BIOLOGY LEVEL 3</b>
<b>QUALIFICATION:</b>	Up to 23 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This course extends students' previous knowledge in Biology, providing an in depth study of plant responses and animal behaviours, evolution and human evolution. Homeostasis and research on socio-scientific issues are components of the internal assessments.
<b>ASSESSMENT:</b>	9 Credits internally assessed 13 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	At least 14 credits in Level 2 Biology, including 8 from external assessments, or at the discretion of the Faculty Head

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS90601 *	Carry out a practical investigation in a biological context, with guidance	INTERNAL	4 Credits	L1 Lit, Num
AS90602	Integrate biological knowledge to develop an informed response to a socio-scientific issue	INTERNAL	3 Credits	L1 Lit, B Lit
AS90603	Demonstrate understanding of the responses of plants and animals to their external environment	EXTERNAL	5 Credits	L1 Lit, B Lit
AS90604	Demonstrate understanding of how an animal maintains a stable internal environment	INTERNAL	3 Credits	L1 Lit, R Lit
AS90605	Demonstrate understanding of evolutionary processes leading to speciation	EXTERNAL	4 Credits	L1 Lit, B Lit
AS90606	Demonstrate understanding of trends in human evolution	EXTERNAL	4 Credits	L1 Lit, B Lit

***\*The entry to AS 90601 is optional – there will be no class time dedicated to the standard; teacher's guidance will be provided.***

## **CHEMISTRY (CHE) – LEVEL 2**

<b>COURSE:</b>	<b>CHEMISTRY LEVEL 2</b>
<b>QUALIFICATION:</b>	Up to 23 credits towards NCEA Level 2
<b>DESCRIPTION:</b>	The course is designed to give students all the building blocks for the understanding of Chemistry. Students will cover basic chemical concepts related to Atomic Structure and Bonding, Quantitative Chemistry, Chemical Reactions and Organic Chemistry. It will involve both practical and theoretical aspects of the subject.
<b>ASSESSMENT:</b>	10 Credits internally assessed 13 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	16 Level 1 Science Credits (8 of which must be from external assessments), including the two Chemistry standards. To ease the transition into Level 2, passing with Merit at Level 1 is highly recommended. Or on the recommendation of the Year 11 Science teacher in consultation with the Head of Faculty.

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS91161	Carry out quantitative analysis	INTERNAL	4 Credits	Num
AS91162	Carry out procedures to identify ions present in solution	INTERNAL	3 Credits	
AS91164	Demonstrate understanding of bonding, structure, properties and energy changes	EXTERNAL	5 Credits	L1 Lit
AS91165	Demonstrate understanding of the properties of selected organic compounds	EXTERNAL	4 Credits	L1 Lit
AS91166	Demonstrate understanding of chemical reactivity	EXTERNAL	4 Credits	L1 Lit
AS91167 *	Demonstrate understanding of oxidation – reduction	INTERNAL	3 Credits	

## **CHEMISTRY (CHE) – LEVEL 3**

<b>COURSE:</b>	<b>CHEMISTRY LEVEL 3</b>
<b>QUALIFICATION:</b>	25 credits towards NCEA Level 3
<b>DESCRIPTION:</b>	Level 3 Chemistry is a challenging yet rewarding programme. Students will deepen their understanding of Chemistry and prepare for university-level Chemistry which is a requirement for a number of courses such as medicine and engineering. Students will investigate different aspects of Chemistry ranging from Physical Chemistry, Inorganic and Organic Chemistry to aqueous systems.
<b>ASSESSMENT:</b>	10 Credits internally assessed 15 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	At least 14 credits in Level 2 Chemistry and achievement in at least two of the external standards, or at the discretion of the Faculty Head. At least 10 credits in level 2 Mathematics with basic understanding of logarithm and algebra is strongly recommended for AS 91392.

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS91387 *	Carry out an investigation in chemistry involving quantitative analysis	INTERNAL	4 Credits	L1 Lit, W Lit, Num
AS91388	Demonstrate understanding of spectroscopic data in chemistry	INTERNAL	3 Credits	
AS91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	EXTERNAL	5 Credits	L1 Lit
AS91391	Demonstrate understanding of the properties of organic compounds	EXTERNAL	5 Credits	L1 Lit
AS91392	Demonstrate understanding of equilibrium principles in aqueous systems	EXTERNAL	5 Credits	L1 Lit, Num
AS91393	Demonstrate understanding of oxidation–reduction processes	INTERNAL	3 Credits	L1 Lit

***\*The entry to AS9167 AND AS91387 is optional – there will be no class time dedicated to the standard; teacher's guidance will be provided.***

## **PHYSICS (PHY) – LEVEL 2**

<b>COURSE:</b>	<b>PHYSICS LEVEL 2</b>
<b>QUALIFICATION:</b>	23 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This course is designed for students that have a good ability in Physics and Mathematics. Students who undertake this course of study will investigate aspects of Physics, which include: Mechanics, Waves, Electricity and Nuclear Physics.
<b>ASSESSMENT:</b>	7 Credits internally assessed 16 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	16 level 1 Science Credits, including two Physics standards. 8 of the 16 Credits must be from external assessments. 15 Credits from Level 1 AS Mathematics (including Mathematics 1.1, 1.2 and 1.8) or at the discretion of the Faculty Head.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	INTERNAL	4 Credits	L1 Lit, Num
AS91170	Demonstrate understanding of waves	EXTERNAL	4 Credits	L1 Lit, Num
AS91171	Demonstrate understanding of mechanics	EXTERNAL	6 Credits	L1 Lit, Num
AS91172	Demonstrate understanding of atomic and nuclear physics	INTERNAL	3 Credits	L1 Lit
AS91173	Demonstrate understanding of electricity and electromagnetism	EXTERNAL	6 Credits	L1 Lit, Num

## **PHYSICS (PHY) – LEVEL 3**

<b>COURSE:</b>	<b>PHYSICS LEVEL 3</b>
<b>QUALIFICATION:</b>	26 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This course develops student's previous study of Physics. Topics studied: Mechanics, Waves, Electromagnetism and Atomic physics
<b>ASSESSMENT:</b>	10 Credits internally assessed 16 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Achievement in all three Level 2 Physics external standards or at the discretion of the Faculty Head

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS91521	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	INTERNAL	4 Credits	L1 Lit
AS91522	Demonstrate understanding of the application of Physics to a selected context.	INTERNAL	3 Credits	L1 Lit
AS91523	Demonstrate understanding of wave systems	EXTERNAL	4 Credits	L1 Lit
AS91524	Demonstrate understanding of mechanical systems	EXTERNAL	6 Credits	L1 Lit
AS91525	Demonstrate understanding of Modern Physics	INTERNAL	3 Credits	L1 Lit
AS91526	Demonstrate understanding of electrical systems	EXTERNAL	6 Credits	L1 Lit



## THE ARTS

### VISUAL ARTS (ART) – LEVEL 1

<b>COURSE QUALIFICATION:</b>	<b>VISUAL ARTS LEVEL 1</b> 26 credits towards NCEA Level 1 are available
<b>DESCRIPTION:</b>	This course develops student's skills in observational drawing, painting and printmaking, using a variety of wet and dry media. Students explore our unique New Zealand bi-cultural identity and their own personal culture and interests. They are able to express ideas, thoughts, feelings and react to our world in a unique way not offered in other subjects. They are given a powerful visual voice in our annual end of year exhibition
<b>ASSESSMENT:</b>	Internal and external assessment
<b>ENTRY REQUIREMENTS:</b>	A genuine passion for art is essential given that it is a time consuming subject. Art at this level requires students to be independently driven and have good time-management skills. They must be willing to do 4-6 hours of practical and research based homework per week, to keep up with a demanding schedule

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/EXTERNAL ASSESSMENT	NO. OF CREDITS
AS 90914 (1.2)	Use drawing methods and skills for recording information using wet and dry media	INTERNAL	4 Credits
AS 90915 (1.3)	Use drawing conventions to develop work in more than one field of practice	INTERNAL	6 Credits
AS 90917 (1.5)	Produce a finished work that demonstrates skills appropriate to cultural conventions	INTERNAL	4 Credits
AS 90916 (1.4)	Produce a body of work informed by established practice, which develops ideas, using a range of media.	EXTERNAL	12 Credits

### PAINTING (PAI) – LEVEL 2

<b>COURSE QUALIFICATION:</b>	<b>PAINTING LEVEL 2</b> 24 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	A course which develops student's skills in painting and drawing using various media. Artist models are used to continually inspire, challenge and develop new techniques and develop higher level thinking skills. The course provides opportunity for a highly personalized, creative approach to developing their theme. Art students are able to express ideas, thoughts, feelings and react to our world in a unique way not offered in other subjects. They are given a powerful visual voice in our annual end of year exhibition. Art as a subject ensures students receive a well-rounded education, develop multiple forms of intelligence, and are used to thinking laterally. They are well equipped for the world of work, where creatives are in high demand
<b>ASSESSMENT:</b>	Internal and external assessment
<b>COURSE COST:</b>	Students are required to supply some of the materials for this course.
<b>ENTRY REQUIREMENTS:</b>	A genuine passion for art is essential given that it is a very time consuming subject. Art at this level requires students to be independently driven and have good time-management skills. They must be willing to do 4-6 hours of practical and research based homework per week, to keep up with a demanding schedule.

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/EXTERNAL ASSESSMENT	NO. OF CREDITS
AS 91311 (2.2)	Use drawing methods to apply knowledge of conventions appropriate to painting	INTERNAL	4 Credits
AS 91316 (2.3)	Develop ideas in a related series of drawings appropriate to established painting practice	INTERNAL	4 Credits
AS 91321 (2.4)	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	EXTERNAL	12 Credits
AS 91325 (2.5)	Produce a resolved work that demonstrates control of skills appropriate to cultural conventions	INTERNAL	4 Credits

## **PAINTING (PAI) – LEVEL 3**

<b>COURSE QUALIFICATION:</b>	<b>PAINTING LEVEL 3</b> 26 Credits towards NCEA Level 3 are available
<b>DESCRIPTION:</b>	A course which develops student's skills in painting and drawing using various media. Artist models are used to continually inspire, challenge and develop new skills and foster the development of higher level thinking skills. The course provides opportunity for a personalized approach. Students are expected to be highly skilled at individually researching, and managing their time effectively. Art students are able to express ideas, thoughts, feelings and react to our world in a unique way not offered in other subjects. They are given a powerful visual voice in our annual end of year exhibition. Art as a subject ensures students receive a well-rounded education, develop multiple forms of intelligence, and are used to thinking laterally. They are well equipped for the world of work, where creatives are in high demand
<b>ASSESSMENT:</b>	Internal and external assessment.
<b>ENTRY REQUIREMENTS:</b>	A genuine passion for art is essential given that it is a very time consuming subject. Students must prove they have strong artistic ability and a committed individual work ethic. Art at this level requires students to be independently driven and have good time-management skills. They must be willing to do 4-6 hours of practical and research based homework per week, to keep up with a demanding schedule.
<b>Painting at Level 3, is endorsed and is a University approved subject. Students can use 14 credits in this subject at Level 3 to gain access to courses at universities that do not necessarily involve Art. The table at the back of this booklet illustrates some of the tertiary organisations that provide courses for creatives.</b>	

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>
AS 91446 (3.2)	Use drawing to demonstrate understanding of conventions appropriate to painting	INTERNAL	4 Credits
AS 91451 (3.3)	Systematically clarify ideas using drawing informed by established painting practice	INTERNAL	4 Credits
AS 91456 (3.4)	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice.	EXTERNAL	14 Credits
AS 91456 (3.5)	Systematically clarify ideas using drawing informed by established painting practice	INTERNAL	4 Credits

PLEASE NOTE: Art is an endorsed subject. Therefore students can use 14 credits in this subject at Level 3 to gain access to courses at Universities that do not necessarily involve Art

## **PHOTOGRAPHY (PHO) – LEVEL 2**

<b>COURSE</b>	<b>PHOTOGRAPHY LEVEL 2</b>
<b>QUALIFICATION:</b>	24 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This course is an introduction to Photography and offers students a basic understanding of how to use their cameras and edit photographs. The students learn the process involved in developing a folio that is thematic and displays a range of technical skills. The importance of researching artist models is encouraged to ensure students are exposed to how powerful photography can be as a communicative tool. Internal achievement standards help students to develop the conceptual and technical skills expected in a folio of work.
<b>ASSESSMENT:</b>	Internal and external assessment
<b>COURSE COST:</b>	Students are required to supply some of the materials for this course.
<b>ENTRY</b>	Must have a keen interest and passion for photography and supply own camera.
<b>REQUIREMENTS:</b>	Consultation with Head of Department There may also be some additional cost over and above the contribution fee.

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY/ NUMERACY</b>
AS 91307	Demonstrate an understanding of methods and ideas from established practice appropriate to photography	INTERNAL	4 Credits	L1 Lit
AS 91312	Use drawing methods to apply knowledge of conventions appropriate to photography	INTERNAL	4 Credits	
AS 91317	Develop ideas in a related series of drawings appropriate to established photography practice Resource reference	INTERNAL	4 Credits	
AS 91322	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	EXTERNAL	12 Credits	

## **PHOTOGRAPHY (PHO) – LEVEL 3**

<b>COURSE QUALIFICATION:</b>	<b>PHOTOGRAPHY LEVEL 3</b>
<b>DESCRIPTION:</b>	26 Credits towards NCEA Level 3 This course requires students to develop a folio that explores a thematic topic over three A1 sized boards. Ideas for the photographic sequences on the folio are developed in the internal standards. The internal standards ensure students are researching artist models, and developing their own photographic studies with clear links to established artists. The continual references to artist models in their own work ensure students develop high level thinking and technical skills as young photographers. A wide range of technical and conceptual skills are required at this level. Photoshop and digital image manipulation methods are explored, along with highly creative edgy approaches to developing their theme. Students must be good with time-management, passionate about Photography and willing to do the bulk of their work independently off-site. Consultation with the Head of Art will be required where students want to enter for Level 3 Photography and have not achieved Level 2 Photography
<b>ASSESSMENT:</b>	Internal and external assessment
<b>COURSE COST:</b>	Students are required to supply some of the materials for this course.
<b>ENTRY REQUIREMENTS:</b>	Must have a keen interest and passion for photography and supply own camera. Consultation with Head of Department There may also be some additional cost over and above the contribution fee.

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY / NUMERACY</b>
AS 91442	Analyse methods and ideas from established photography practice.	INTERNAL	4 Credits	L1 Lit
AS 91447	Use drawing to demonstrate understanding of conventions appropriate to photography.	INTERNAL	4 Credits	
AS 91452	Systematically clarify ideas using drawing informed by established photography practice.	INTERNAL	4 Credits	
AS 91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice.	EXTERNAL	14 Credits	

## **DRAMA (DRA) – LEVEL 1**

<b>COURSE QUALIFICATION:</b>	<b>DRAMA LEVEL 1</b> 26 Credits towards NCEA Level 1
<b>DESCRIPTION:</b>	This course is designed to develop competent Drama students. Students will undertake a course of study that will enable them to engage with and enjoy drama in all its varieties, understand, respond to and use relevant acting techniques and production skills.
<b>ASSESSMENT:</b>	Internal 70% External 30%
<b>ENTRY REQUIREMENTS:</b>	Year 10 teacher recommendation. 50% or above at Year 10 English is required.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90006 (1.1)	Apply drama techniques in a dramatic context.	INTERNAL	4 Credits	L1 Lit
AS 90009 (1.6)	Perform an acting role in a scripted production	INTERNAL	5 Credits	L1 Lit
AS 90011 (1.7)	Demonstrate understanding of the use of drama aspects within live performance.	EXTERNAL	4 Credits	L1 Lit
AS 90997 (1.2)	Devise and perform a drama	INTERNAL	5 Credits	L1 Lit
AS 90998 (1.3)	Demonstrate understanding of features of a drama/theatre form.	EXTERNAL	4 Credits	L1 Lit
AS 90999 (1.4)	Select and use features of a drama/theatre form in a performance.	INTERNAL	4 Credits	L1 Lit

## **DRAMA (DRA) – LEVEL 2**

<b>COURSE QUALIFICATION:</b>	<b>DRAMA LEVEL 2</b> 26 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This course is designed to develop competent Drama students. Students will undertake a course of study that will enable them to engage with and enjoy drama in all its varieties, understand, respond to and use relevant acting techniques and production skills.
<b>ASSESSMENT:</b>	8 Credits External 18 Credits Internal
<b>ENTRY REQUIREMENTS:</b>	Completion of NCEA Level I in Drama Or Grade 6 Speech and Drama (subject to approval)

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91213 (2.1)	Apply drama techniques in a scripted context.	INTERNAL	4 Credits	L1 Lit, R Lit
AS 91214 (2.2)	Devise and perform a drama to realise an intention.	INTERNAL	5 Credits	L1 Lit
AS 91215 (2.3)	Discuss a drama or theatre form or period with reference to a text.	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91216 (2.4)	Perform features of a complex drama or theatre form or period	INTERNAL	4 Credits	L1 Lit, R Lit
AS 91218 (2.6)	Perform a substantial acting role in a scripted production.	INTERNAL	5 Credits	L1 Lit, R Lit
AS 91219 (2.7)	Discuss drama elements, techniques, conventions and technologies within live performance.	EXTERNAL	4 Credits	L1 Lit, W Lit

## **DRAMA (DRA) – LEVEL 3**

<b>COURSE QUALIFICATION:</b>	<b>DRAMA LEVEL 3</b>
<b>DESCRIPTION:</b>	22 Credits towards NCEA Level 3 This is a course designed for students who are competent Drama students. Students will undertake a course of study that will enable them to: Integrate drama techniques to communicate meaning in improvised and scripted drama Use elements and conventions to devise, script and perform individual drama Research, prepare and perform a production role Analyse, apply and reflect critically on drama processes and performances
<b>ASSESSMENT:</b>	14 Credits Internal 8 Credits External
<b>ENTRY REQUIREMENTS:</b>	NCEA Level 2 or Grade 7 Speech and Drama Scholarship Drama Offered

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91512	Interpret scripted text to integrate drama techniques in performance	INTERNAL	4 Credits	L1 Lit, R Lit
AS 91513	Devise and perform a drama to realize a concept.	INTERNAL	5 Credits	L1 Lit
AS 91514	Interpret a prescribed text to demonstrate knowledge of a theatre form or period	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91517	Perform a substantial acting role in a significant production.	INTERNAL	5 Credits	L1 Lit, R Lit
AS 91518	Demonstrate understanding of live drama performance	EXTERNAL	4 Credits	L1 Lit, W lit

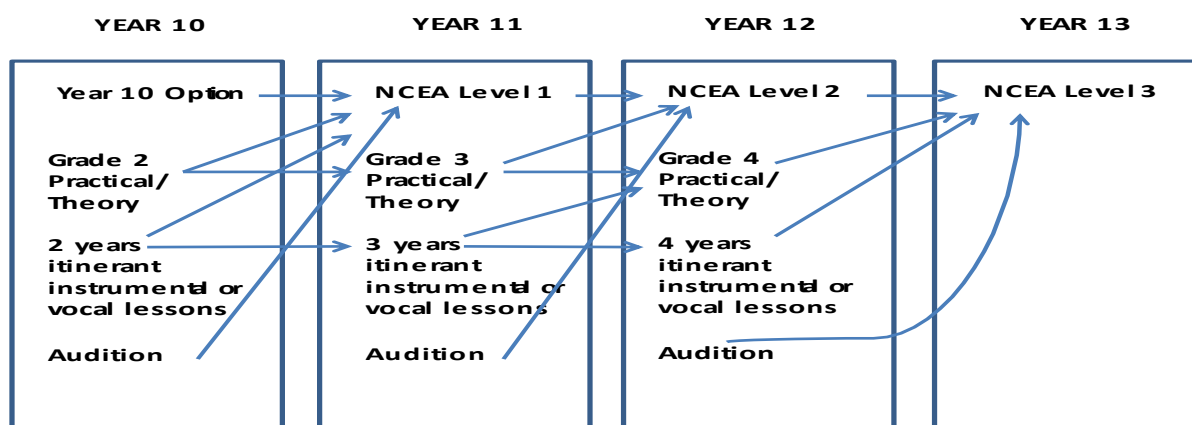
### **PLEASE NOTE:**

**Drama** is an endorsed subject: Therefore students can use 14 credits in this subject at Level 3 to gain access to courses at Universities that do not necessarily involve Drama.

**University Entrance:** Students wanting to take Drama courses with tertiary providers will be required to have passed NCEA Level 3, with preference to Drama studies.

## MUSIC PATHWAYS

### Pathways



**Explanatory Note:** Students can skip NCEA Levels as long as they meet the entry requirements to each course (listed above). For example, a Year 13 student can choose to study NCEA Level 3 Music without having studied the previous levels as long as they have attended at least 4 years of instrumental/vocal tuition or pass an audition.

**University Entrance:** Students wanting to take Music courses with tertiary providers will be required to have passed NCEA Level 3 Music and have reached a minimum standard of Grade 6 practical and Grade 5 music theory. Some universities also require students to have studied a second instrument in addition to the above.

## MUSIC (MUS) – LEVEL 1

<b>COURSE:</b>	<b>MUSIC LEVEL 1</b>
<b>QUALIFICATION:</b>	26 Credits towards NCEA Level 1
<b>DESCRIPTION:</b>	This course is designed for students with prior experience in playing a musical instrument/voice and with knowledge of the rudiments of music. Students will perform their music and the music of others, in an individual capacity and in a group. Students will compose, improvise and arrange music and show an understanding of music by identifying, describing and classifying <i><b>*Refer to note at end of Level 3 description</b></i>
<b>ASSESSMENT:</b>	22 Credits internal assessment 4 Credits external assessment
<b>ENTRY REQUIREMENTS:</b>	Completion of Year 10 Music and/or at least two years tuition on voice/instrument Grade 2 Practical (or equivalent) Audition

ACHIEVEMENT / UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91090	Perform two pieces as a featured soloist	INTERNAL	6 Credits	
AS 91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	INTERNAL	4 Credits	
AS 91092	Compose two original pieces of music	INTERNAL	6 Credits	
AS 91094	Demonstrate knowledge of conventions used in music scores	EXTERNAL	4 Credits	L1 Lit
AS 91095	Demonstrate knowledge of two music works from contrasting contexts	INTERNAL	6 Credits	L1 Lit

### OPTIONAL

<b>Grade 3 Theory</b>	All students will be given the opportunity to sit an ABRSM/Trinity Guildhall Grade 3 Theory Exam	EXTERNAL ASSESSMENT	N/A
<b>Grade 3 Practical</b>	All students should aim to enter an ABRSM/Trinity Guildhall practical exam. These can be done through instrumental/vocal tutors (in school & privately), or the HOD Music will enter students after consulting with parents/caregivers.	EXTERNAL ASSESSMENT	N/A

## **MUSIC (MUS) – LEVEL 2**

<b>COURSE:</b>	<b>MUSIC LEVEL 2</b>
<b>QUALIFICATION:</b>	27 credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This is a course designed for students who are competent performers. Students will learn performance skills both individually and in a group. They will learn to compose and create their own original music. Aural skills will be further developed and an in-depth study New Zealand Music by a variety of composers and genres will further develop student's musical knowledge.
<b>ASSESSMENT:</b>	23 Internally assessed Credits 4 Externally assessed Credits
<b>ENTRY REQUIREMENT:</b>	NCEA Level 1 Music and at least 3 years tuition on voice/instrument Grade 3 Practical (or equivalent) Audition

<b>ACHIEVEMENT / UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91270	Perform two substantial pieces of music as a featured soloist	INTERNAL	6 Credits	
AS 91271	Compose two substantial pieces of music	INTERNAL	6 Credits	
AS 91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	INTERNAL	4 Credits	
AS 91273	Devise an instrumentation for an ensemble	INTERNAL	4 Credits	
AS 91274	Perform a substantial piece of music as a featured soloist on a second instrument	INTERNAL	3 Credits	
AS 91276	Demonstrate knowledge of conventions in a range of music scores	EXTERNAL	4 Credits	L1 Lit

### **OPTIONAL**

<b>Grade 4 Theory</b>	All students will be given the opportunity to sit an ABRSM Grade 4 Theory Exam	EXTERNAL ASSESSMENT	N/A
<b>Grade 4/5 Practical</b>	All students should aim to enter an ABRSM/Trinity Guildhall practical exam. These can be done through instrumental/ vocal tutors (in school & privately), or the HOD Music will enter students after consulting with parents/caregivers.	EXTERNAL ASSESSMENT	N/A



## MUSIC (MUS) – LEVEL 3

<b>COURSE:</b>	<b>MUSIC LEVEL 3 - PERFORMANCE MUSIC</b>
<b>QUALIFICATION:</b>	34 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	<p>This is a course designed for <b>advanced</b> music students. Students wishing to study NCEA Level 3 Music students must have completed NCEA Level 2 Music and/or completed external music theory and instrumental examinations to a minimum of grade 4 standard</p> <p><b>Practical Music:</b></p> <p>Students present a performance of a programme of music as a member of a group.</p> <p>They arrange two pieces of music for an ensemble of at least 3 independent parts, one instrumental, and one involving at least 1 vocal part</p> <p>Students present a portfolio of music in composition and performance</p> <p>They will demonstrate developed aural skills through competent transcription and notation of music.</p> <p>In the external standard students will demonstrate an understanding of harmonic and tonal procedures in a range of music</p>
<b>ASSESSMENT:</b>	<p><b>Practical Music</b></p> <p>34 Credits internal assessment</p> <p>4 Credits external assessment</p>
<b>ENTRY REQUIREMENTS:</b>	NCEA Level 2 and/or Grade 4 Theory/Practical Audition

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS91416	Perform two programmes of music as a featured soloist	INTERNAL	8 Credits	
AS91417	Perform a programme of music as a featured soloist on a second instrument	INTERNAL	4 Credits	
AS91418	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group	INTERNAL	4 Credits	
AS91419	Communicate musical intention by composing three original pieces of music	INTERNAL	8 Credits	
AS91421	Demonstrate understanding of harmonic and tonal conventions in a range of music scores	EXTERNAL	4 Credits	
AS91424	Create two arrangements for an ensemble	INTERNAL	4 Credits	
AS91425	Research a music topic	INTERNAL	6 Credits	L1 Lit, R Lit

OPTIONAL			
<b>Grade 5 Theory</b>	All students will be given the opportunity to sit an ABRSM Grade 5 Theory Exam <b><u>Tertiary music course entry requirement</u></b>	EXTERNAL	Credits N/A
<b>Grade 6 Practical (or higher)</b>	All students should aim to enter an ABRSM/Trinity Guildhall practical exam. These can be done through instrumental/ vocal tutors (in school & privately), or the HOD Music will enter students after consulting with parents/caregivers. <b><u>Tertiary music course entry requirement</u></b>	EXTERNAL	Credits N/A

**Level 3 now has 34 Internal credits on offer and 4 External credits**

### **EXTRA-CURRICULAR INVOLVEMENT - IN EACH LEVEL 1, 2 and 3:**

It is expected that all NCEA musicians involve themselves in at least one extra-curricular music activity. This will not only help students to develop their performance technique and style, but will present them with opportunities to prepare and record performances.

All music students **MUST** take instrumental/ vocal lessons. These can be taken privately or through the school. Please contact the HOD Music for information.

## **DANCE (DAN) – LEVEL 1**

<b>COURSE:</b>	<b>DANCE – LEVEL 1</b>
<b>QUALIFICATION:</b>	24 Credits towards NCEA Level 1
<b>DESCRIPTION:</b>	This course is designed to develop competent dance students. Students will undertake a course that will enable them to gain performance skills and the ability to choreograph. Student co-ordination and kinesthetic awareness will be enhanced as well as improved confidence. Students will learn about the history of a number of different dance genres from a range of cultures. The course benefits students in a number of ways, from being able to critically analyse dance performances to having improved fitness and strength. This dance course is designed for all students from different backgrounds to enjoy and engage in dance.
<b>ASSESSMENT:</b>	20 Internal Assessments 4 External Assessments
<b>ENTRY REQUIREMENTS:</b>	Completion of Level 10 Dance Course

<b>ACHIEVEMENT / UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90858	<b>Compose dance sequences for given briefs</b> Individual choreography of three sequences, showing understanding of the four elements of dance and choreographic devices	INTERNAL	6 Credits	
AS 90002	<b>Perform dance sequences</b> Students will show performance skills and techniques in three performances of different genres of dance	INTERNAL	6 Credits	
AS 90859	<b>Demonstrate ensemble skills in a dance</b> Students will demonstrate movement memory, technique, focus and expression	INTERNAL	4 Credits	
AS 90860	<b>Demonstrate understanding of the elements of dance</b> Students will present evidence of their understanding of the elements of dance. Demonstrated in a digital portfolio of student works	INTERNAL	4 Credits	L1 Lit
AS 90861	<b>Demonstrate understanding of a dance performance</b> Demonstrate the ability to analyse all areas of a videoed piece of choreography	EXTERNAL	4 Credits	L1 Lit

## **DANCE (DAN) – LEVEL 2**

<b>COURSE:</b>	<b>DANCE – LEVEL 2</b>
<b>QUALIFICATION:</b>	22 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	<p>This course is designed for students who are competent dancers. Students will learn performance and choreography skills together and individually. Students will learn to critically analyse all areas of dance performances. They will learn indepth knowledge of the history of a number of dance genres. This course enhances students creativity, confidence, co-ordination, fitness and teamwork.</p> <p>Year 13 Students (male or female) with a strong interest in Dance are also able to enroll into Year 12 Dance and work with a slightly modified programme of mixed Level 2 and Level 3 Achievement Standards. These students do not have to have previously taken Dance, however, they must speak to Mrs Trask prior to acceptance.</p>
<b>ASSESSMENT:</b>	18 Internal Assessments 4 External Assessments
<b>ENTRY REQUIREMENTS:</b>	Completion of Level 1 Dance Course

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91205	<b>Choreograph a group dance to communicate an intention</b> Choreograph an imaginative group dance to communicate an intention.	INTERNAL	4 Credits	
AS 91207	<b>Perform an ethnic or social dance to communicate an idea</b> Perform an ethnic or social dance to communicate a comprehensive understanding of the style.	INTERNAL	4 Credits	
AS 91208	<b>Perform a theatre dance to communicate understanding of the dance</b> Perform a theatre dance to communicate a comprehensive understanding of the dance.	INTERNAL	4 Credits	
AS 91209	<b>Perform a repertoire of dance</b> Perform a repertoire of dance showing in-depth understanding of the stylistic requirements.	INTERNAL	6 Credits	
AS 91211	<b>Provide an interpretation of a dance performance with supporting evidence</b> Provide a perceptive interpretation of a dance performance with supporting evidence.	EXTERNAL	4 Credits	L1 Lit

## **DANCE (DAN) – LEVEL 3**

<b>COURSE:</b>	<b>DANCE – LEVEL 3 - 2018</b>
<b>QUALIFICATION:</b>	22 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This course is designed for students who are competent dancers. Students will develop their performance and choreography skills working both individually and in groups. Students will create performances, including aspects such as lighting, costuming and video production. Students will gain further understanding of dance cultures and different dance genres. This course enhances student's creativity and ability to develop management skills.
<b>ASSESSMENT:</b>	18 Internal Assessments 4 External Assessments
<b>ENTRY REQUIREMENTS:</b>	Completion of Level 2 Dance Course

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91589	Choreograph a dance to develop and resolve ideas	INTERNAL	4 Credits	
AS 91590	Perform a solo or duet dance	INTERNAL	4 Credits	
AS 91591	Perform a group dance	INTERNAL	4 Credits	
AS 91592	Perform a repertoire of contrasting dances	INTERNAL	6 Credits	
AS 91594	Analyse a dance performance	EXTERNAL	4 Credits	L1 Lit, W Lit

## COMPUTER SCIENCE AND PROGRAMMING (CSP)

### COMPUTER SCIENCE AND PROGRAMMING (CSP) LEVEL 1

These academic and practical knowledge and skills will provide a strong foundation for further Computer Science, Programming and Digital Media study. The teaching and learning will also provide a robust understanding able to be transferred across other curricular subjects.

<b>COURSE:</b>	<b>COMPUTER SCIENCE AND PROGRAMMING LEVEL 1</b>
<b>QUALIFICATION:</b>	20 Achievement Standard credits towards NCEA Level 1 with an emphasis on attaining merit or excellence with endorsement.
<b>DESCRIPTION:</b>	There are two distinct aspects to this course of study: <b>Programming and Computer Science:</b> Problem analysis and plan development, coding (programming language, testing, debugging), algorithms, programming languages and human computer interface <b>Digital Media:</b> An understanding of the concepts of digital imaging and video editing.
<b>ASSESSMENT:</b>	17 Credits internally assessed 3 Credits externally assessed with possible endorsement with Merit or Excellence.
<b>ENTRY REQUIREMENTS:</b>	Open Entry – Although preference will be given to students who successfully undertook the subject at Year 10

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO OF CREDITS	Literacy Credits
AS 91071	Implement basic procedures to produce a specified digital media outcome	INTERNAL	4 Credits	
AS 91072	Demonstrate understanding of basic concepts of digital media	INTERNAL	3 Credits	✓
AS 91073	Implement basic procedures to produce a specified digital media outcome	INTERNAL	4 Credits	
AS 91074	Demonstrate understanding of basic concepts from computer science	EXTERNAL	3 Credits	✓
AS 91075	Construct a plan for a basic computer program for a specified task	INTERNAL	3 Credits	
AS 91076	Construct a basic computer program for a specified task	INTERNAL	3 Credits	

*\*Individual students may be offered assessments that reflect their individual interests and strengths*

## **COMPUTER SCIENCE AND PROGRAMMING (CSP) LEVEL 2**

Students who complete this course will be able to apply their knowledge and skills in all areas of further study. Later at Tertiary level students can follow pathways in Computer Science and Programming, Science, Technology, Engineering and Mathematics. There are many career opportunities in the DGT sector.

<b>COURSE</b>	<b>COMPUTER SCIENCE AND PROGRAMMING LEVEL 2</b>
<b>QUALIFICATION</b>	<b>Digital Information, Digital Media, Programming and Computer Science</b>
<b>DESCRIPTION</b>	Up to 20 Achievement Standard credits towards NCEA Level 2 with possible endorsement with Merit or Excellence. There are three distinct aspects to this course of study: <b>Programming and Computer Science:</b> Programming languages, data structures, graphical user interface, coding solutions, testing and debugging and computer science concepts <b>Databases:</b> Embedded databases, design and construction, creating queries and formatting techniques to customise data using MS Access <b>Digital Media:</b> An understanding of the concepts and procedures in Digital Media using Adobe Photoshop while using a variety of digital media software. Students will learn how to write their own HTML code from scratch and Cascading Style Sheets from scratch to create a website.
<b>ASSESSMENT:</b>	16 Credits internally assessed 4 Credits externally assessed with possible endorsement with Merit or Excellence.
<b>ENTRY REQUIREMENTS:</b>	Students must have successfully completed Level 1 Technologies (CPS). Other students will be considered from their Level 1 NCEA results. A high level of literacy is required for this subject.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>Literacy Credits</b>
AS 91368	Implement advanced procedures to produce a specified digital information outcome with dynamically linked data	INTERNAL	6 Credits	
AS 91370	Implement advanced procedures to produce a specified digital media outcome	INTERNAL	4 Credits	
AS 91371	Demonstrate understanding of advanced concepts from computer science	EXTERNAL	4 Credits	✓
AS 91372	Construct a plan for an advanced computer program for a specified task	INTERNAL	3 Credits	
AS 91373	Construct an advanced computer program for a specified task	INTERNAL	3 Credits	

***\*Individual students may be offered assessments that reflect their individual interests and strengths***

## **COMPUTER SCIENCE AND PROGRAMMING (CSP) LEVEL 3**

An approved University Entrance basket may be gained in this subject with Endorsement with Merit or Excellence. Excellence portfolios may be submitted for Scholarship.

Students who complete this course will be able to apply their knowledge and skills in all areas of further study. Students can follow pathways in Computer Science and Programming, Science, Technology, Engineering and Mathematics. There are many career opportunities in the DGT sector.

<b>COURSE</b>	<b>DIGITAL TECHNOLOGIES LEVEL 3</b>
<b>QUALIFICATION</b>	<b>Digital Technologies Guidelines: Digital Concepts and Tools, Digital Media, Programming and Computer Science</b>
<b>DESCRIPTION</b>	20 Achievement Standard credits towards NCEA Level 3 with possible endorsement for Merit or Excellence. University Entrance can be earned by achieving 14 AS credits. Scholarship may be offered to successful candidates. There are three distinct aspects to this course of study: <b>Programming and Computer Science:</b> Programming languages, complex data structures, graphical user interface, coding solutions, testing and debugging and computer science concepts <b>Databases:</b> Embedded relational databases, design and construction, creating queries and formatting techniques to customise data using MS Access <b>Digital Media:</b> An in-depth understanding of the concepts and procedures in Digital Media using Adobe Photoshop and Adobe InDesign.
<b>ASSESSMENT:</b>	16 Credits internally assessed 4 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Students must have successfully completed Level 2 Technologies (CPS). Other students will be considered from their Level 2 NCEA results. A high level of literacy is required for this subject.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>Literacy / Numeracy Credits</b>
AS 91633	Implement complex procedures to develop a relational database embedded in a specified digital media outcome	INTERNAL	6 credits	Lit and Num
AS 91635	Implement complex procedures to produce a specified digital outcome	INTERNAL	4 credits	Lit
AS 91636	Demonstrate understanding of areas of computer science	EXTERNAL	4 credits	Lit
AS 91637	Develop a complex computer program for a specified task	INTERNAL	6 credits	Lit and Num

***\*Individual students will be offered assessments that reflect their individual interests and strengths***

***\*Students who successfully complete this subject may be favourably considered for entry into second-year university computing papers***

## DIGITAL TECHNOLOGIES (DGT)

### DIGITAL TECHNOLOGIES (DGT) LEVEL 1

The knowledge and skills learnt will provide a foundation for further Digital Technologies Courses. The teaching and learning will also provide a robust understanding that can be used across other curricular subjects.

<b>COURSE:</b>	<b>DIGITAL TECHNOLOGIES LEVEL 1</b>
<b>QUALIFICATION:</b>	17 - 22 Achievement Standard and/or Unit Standard credits towards NCEA Level 1
<b>DESCRIPTION:</b>	<p>There are two distinct aspects to this course of study:</p> <p><b>Digital Information:</b> Understanding of basic concepts of spread sheet application, word processing and the integration of applications.</p> <p><b>Digital Media:</b> An understanding of the concepts of digital imaging and video editing.</p> <p>This course provides students with basic practical skills over a range of essential computer applications. These practical skills provide foundational knowledge that students can use to build up a Digital Capability portfolio. Students will have the opportunity to focus their learning goals towards either workplace employment or to enhance learning across their other school subjects</p>
<b>ASSESSMENT:</b>	<p>14-19 Credits internally assessed</p> <p>3 Credits externally assessed with possible endorsement with Merit or Excellence.</p>
<b>ENTRY REQUIREMENTS:</b>	Open Entry – Although preference will be given to students who took the subject at Year 10

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO OF CREDITS	Literacy Credits
AS 91070	Demonstrate understanding of basic concepts of information management	EXTERNAL	3 Credits	✓
AS 91071	Implement basic procedures to produce a specified digital information outcome	INTERNAL	4 Credits	✓
AS 91072	Demonstrate understanding of basic concepts of digital media	INTERNAL	3 Credits	
AS 91073	Implement basic procedures to produce a specified digital media outcome	INTERNAL	4 Credits	
AS 91077	Demonstrate understanding of basic concepts used in the design and construction of electronic environments	INTERNAL	3 Credits	
<b>A range of skills based Unit Standards assessing elements of Microsoft Office applications may be offered depending on individual student interest and strength.</b>				
US 5940	Produce a presentation using a desktop presentation computer application	INTERNAL	3 Credits	
US 18743	Produce a spreadsheet from instructions using supplied data	INTERNAL	2 Credits	

*\*Individual students may be offered assessments that reflect their individual interests and strengths*



## **DIGITAL TECHNOLOGIES (DGT) LEVEL 2**

Students who complete this course will be able to apply their knowledge and skills in all areas of further study or towards employment. There are many career opportunities in the DGT sector.

<b>COURSE</b>	<b>DIGITAL TECHNOLOGIES LEVEL 2</b>
<b>QUALIFICATION</b>	<b>Digital Technologies Guidelines: Digital Information Concepts and Tools, Digital Media.</b>
<b>DESCRIPTION</b>	17 Achievement Standard credits towards NCEA Level 2 with possible endorsement with Merit or Excellence and/or 11 Unit Standard credits towards NCEA Level 2 There are two distinct aspects to this course of study: <b>Databases and Digital Information:</b> Embedded databases, design and construction, creating queries and formatting techniques to customise data using MS Access, MS Excel and MS Word. <b>Digital Media:</b> An understanding of the concepts and procedures in Digital Media using Adobe Photoshop while using a variety of digital media software. Students will learn how to write their own HTML code from scratch and Cascading Style Sheets from scratch to create a website.
<b>ASSESSMENT:</b>	14-25 Credits internally assessed 3 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Students must have successfully completed Level 1 Technologies (DGT). Other students will be considered from their Level 1 NCEA results. A high level of literacy is required for this subject.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>Literacy Credits</b>
AS 91367	Demonstrate understanding of advanced concepts relating to managing shared information within information systems	EXTERNAL	3 Credits	
AS 91368	Implement advanced procedures to produce a specified digital media outcome with dynamically linked data	INTERNAL	6 Credits	
AS 91369	Demonstrate understanding of advanced concepts of digital media	INTERNAL	4 Credits	
AS 91370	Implement advanced procedures to produce a specified digital media outcome	INTERNAL	4 Credits	
A range of skills based Unit Standards assessing elements of Microsoft Office applications may be offered depending on individual student interest and strength.				
US 2784	Create and use a computer spreadsheet to solve a problem	INTERNAL	3 Credits	
US 2786	Create and use a computer database to solve a problem	INTERNAL	3 Credits	
US 2788	Produce desktop published documents to meet a set brief	INTERNAL	5 Credits	

***\*Individual students will be offered assessments that reflect their individual interests and strengths***

## **DIGITAL TECHNOLOGIES (DGT) LEVEL 3**

An approved University Entrance basket may be gained in this subject with Endorsement with Merit or Excellence. Students who complete this course will be able to apply their knowledge and skills in all areas of further study. Students can follow pathways in Digital Information, Digital Media, Humanities, Business Studies, Science, Technology, Engineering and Mathematics. There are many career opportunities in the DGT sector.

<b>COURSE</b>	<b>DIGITAL TECHNOLOGIES LEVEL 3</b>
<b>QUALIFICATION</b>	<b>Digital Technologies Guidelines: Digital Information Concepts and Tools, Digital Media</b>
<b>DESCRIPTION</b>	<p>14 Achievement Standard credits toward NCEA Level 3 with possible endorsement for Merit or Excellence.</p> <p>University Entrance can be earned by achieving 14 AS credits.</p> <p>16 Unit Standard Credits toward NCEA Level 3.</p> <p>There are two distinct aspects to this course of study:</p> <p><b>Digital Information:</b> Embedded relational databases, design and construction, creating queries and formatting techniques to customise data using MS Access, MS Excel and MS Word</p> <p><b>Digital Media:</b> An in-depth understanding of the concepts and procedures in Digital Media using Adobe Illustrator, Photoshop and InDesign. Web Design uses Blue Griffon for Web editing software.</p>
<b>ASSESSMENT:</b>	<p>10 Achievement Standard Credits internally assessed or</p> <p>16 Unit Standard Credits internally assessed</p> <p>4 Achievement Standard Credits externally assessed for subject endorsement</p>
<b>ENTRY REQUIREMENTS:</b>	Students must have successfully completed Level 2 Technologies (DGT). Other students will be considered from their Level 2 NCEA results. A high level of literacy is required for this subject.

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>Literacy / Numeracy Credits</b>
AS 91632	Demonstrate understanding of complex concepts of information systems in an organisation	EXTERNAL	4 credits	Lit
AS 91633	Implement complex procedures to develop a relational database embedded in a specified digital media outcome	INTERNAL	6 credits	Lit and Num
AS 91635	Implement complex procedures to produce a specified digital outcome	INTERNAL	4 credits	Lit
A range of skills based Unit Standards assessing elements of Microsoft Office applications may be offered depending on individual student interest and strength.				
US 2785	Create a computer spreadsheet to provide a solution for organisation use	INTERNAL	5 Credits	
US 2787	Create and use a database to provide a solution for organisation use	INTERNAL	6 Credits	
US 25658	Create a website for a stakeholder using a dedicated web authoring tool	INTERNAL	5 Credits	

***\*Individual students will be offered assessments that reflect their individual interests and strengths***

## **DESIGN AND VISUAL COMMUNICATION (DVC)**

### **DESIGN and VISUAL COMMUNICATION (DVC) – LEVEL 1**

<b>COURSE</b>	<b>Design and Visual Communication (DVC) LEVEL 1</b>
<b>QUALIFICATION</b>	Credits towards NCEA Level 1 Design and Visual Communication
<b>DESCRIPTION</b>	Level 1 Design and Visual Communication is a standards based course that is both internally and externally assessed. The course builds upon principles and skills learned at Year 10. Study involves developing and presenting solutions to architectural, engineering and product design problems through the use of a range of design, drawing and presentation techniques.
<b>ASSESSMENT</b>	A balance of internally and externally assessed Achievement Standards offering 18 NCEA Level 1 credits.
<b>LEADS TO</b>	NCEA Level 2 and 3 Design & Visual Communication and Scholarship. As an approved subject on the NZQA Framework, DVC provides qualifications and experiences suitable for University Entrance, particularly for courses in industrial design, engineering, architecture, product and spatial design. DVC is a useful subject for many apprenticeships and industrial training opportunities, as well as Polytechnic courses.
<b>ENTRY REQUIREMENTS</b>	Satisfactory completion of Year 10 Design and Visual Communication, or after consultation with the Head of Technology Faculty.

The programme will be structured around a selection of Achievement Standards from the following list:

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS91063	Produce freehand sketches to communicate own design ideas	EXTERNAL	3 Credits	
AS 91064	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas	EXTERNAL	3 Credits	
AS 91065	Produce instrumental paraline drawings to communicate design ideas	EXTERNAL	3 Credits	L1 Num
AS 91066	Use rendering techniques to communicate the form of design ideas	INTERNAL	3 Credits	
AS 91068	Demonstrate development of own design ideas communicated through graphics practice	INTERNAL	6 Credits	

## **DESIGN and VISUAL COMMUNICATION (DVC) – LEVEL 2**

<b>COURSE</b>	<b>Design and Visual Communication LEVEL 2</b>
<b>QUALIFICATION</b>	Credits towards NCEA Level 2 Design and Visual Communication
<b>DESCRIPTION</b>	Level 2 Design and Visual Communication is a standards based course that is both internally and externally assessed. The course builds upon principles and skills learned at Level 1 and earlier. Study involves developing and presenting solutions to architectural, engineering and product design problems through the use of a range of design, drawing and presentation techniques.
<b>ASSESSMENT</b>	A balance of internally and externally assessed Achievement Standards offering 16 NCEA Level 2 credits.
<b>LEADS TO:</b>	NCEA Level 3 Design and Visual Communication and Scholarship. As an approved subject on the NZQA Framework, DVC provides qualifications and experiences suitable for University Entrance, particularly for courses in industrial design, engineering, architecture, product and spatial design. DVC is a useful subject for many apprenticeships and industrial training opportunities, as well as Polytechnic courses.
<b>ENTRY REQUIREMENTS</b>	Satisfactory completion of Year 11 Design and Visual Communication, or after consultation with the Head of Technology Faculty.

The programme will be structured around a **selection** of Achievement Standards from the following list:

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91337	Use visual communication techniques to generate design ideas.	EXTERNAL	3 Credits	
AS 91338	Produce working drawings to communicate technical details of a design	EXTERNAL	4 Credits	
AS 91339	Produce instrumental perspective projection drawings to communicate design ideas	EXTERNAL	6 Credits	
AS 91341	Develop a spatial design through graphics practice	INTERNAL	3 Credits	L1 Lit
AS 91342	Develop a product design through graphics practice	INTERNAL	6 Credits	

## **DESIGN and VISUAL COMMUNICATION (DVC) – LEVEL 3**

<b>COURSE</b>	<b>Design and Visual Communication LEVEL 3</b>
<b>QUALIFICATION</b>	Credits towards NCEA Level 3 Design and Visual Communication
<b>DESCRIPTION</b>	Level 3 Design and Visual Communication is a standards based course that is both internally and externally assessed. The course builds upon principles and skills learned at Level 2 and earlier. Study involves developing and presenting solutions to architectural, engineering and product design problems through the use of a range of design, drawing and presentation techniques
<b>ASSESSMENT</b>	A balance of internally and externally assessed Achievement Standards offering 16 NCEA Level 3 credits.
<b>LEADS TO</b>	As an approved subject on the NZQA Framework, DVC provides qualifications and experience suitable for University Entrance, particularly for courses in industrial design, engineering, architecture, product and spatial design. DVC is a useful subject for many apprenticeships and industrial training opportunities, as well as Polytechnic courses.
<b>ENTRY REQUIREMENTS</b>	Satisfactory completion of Year 12 Design and Visual Communication, or after consultation with the Head of Technology Faculty.

The programme will be structured around a selection of Achievement Standards from the following list:

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS91627	Initiate design ideas through exploration	EXTERNAL	4 Credits	
AS91629	Resolve a spatial design through graphics practice	INTERNAL	6 Credits	
AS91630	Resolve a product design through graphics practice	INTERNAL	6 Credits	
AS91631	Produce working drawings to communicate production details for a complex design	EXTERNAL	6 Credits	

## FABRIC TECHNOLOGY (FBT) – Level 1

<b>COURSE</b>	<b>FABRIC TECHNOLOGY LEVEL 1</b>
<b>QUALIFICATION:</b>	NCEA Level 1 Fabric Technology - up to 18 credits available
<b>DESCRIPTION:</b>	<p>Level 1 Fabrics Technology is a standards based course that will follow the Technological process of planning, researching, designing and constructing items and garments suitable for a client. There will be opportunity to make a one-off garment, which may be entered for the Young Designers Award and local Fashion Show.</p> <p>As an approved subject on the NZQA Framework, Fabric Technology provides qualifications and experience suitable for University Entrance, leading into the Fashion industry training opportunities as well as Polytechnic courses.</p>
<b>ASSESSMENT:</b>	Fabric Technology is both internally assessed and externally moderated.
<b>COURSE COSTS:</b>	Students will be required to supply some of the materials required for this course.
<b>ENTRY REQUIREMENTS:</b>	Entry is open upon approval of the Subject Teacher

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91053	Demonstrate understanding of design elements	EXTERNAL	3 Credits	L1 Lit
AS 91058	Implement basic procedures using textile materials to make a specific product	INTERNAL	6 Credits	
AS 91060	Demonstrate understanding of basic concepts used to make products from textile materials	INTERNAL	4 Credits	
AS 91096	Make basic adaptations to a pattern to enable a design to fit a person or item	INTERNAL	4 Credits	
AS 91082	Implement basic procedures to process a specified product	INTERNAL	4 Credits	

***All Senior students will be given the opportunity to extend their experience in design and technical skills and gain additional credits by participating in a Vocational Pathways programme in conjunction with Waiariki Polytechnic. We are negotiating the final details of this extended programme.***

## **FABRIC TECHNOLOGY (FBT) LEVEL 2**

<b>COURSE</b>	<b>FABRIC TECHNOLOGY LEVEL 2</b>
<b>QUALIFICATION:</b>	NCEA Level 2 Fabric Technology - up to 22 credits available
<b>DESCRIPTION:</b>	<p>Level 2 Fabrics Technology is a standards based course that will follow the Technological process of planning, researching, designing and constructing a one-off product to suit a client. There will be opportunity to make a one-off garment, which may be entered for the Young Designers Award and local Fashion Show.</p> <p>The Achievement Standards help to develop the students understanding of the fabrics they are working with and are an asset to students who wish to enter opportunities related to the wider Fashion/Apparel related industry. Fabric Technology provides qualifications and experience suitable for University Entrance, leading into the Fashion industry training opportunities as well as Polytechnic courses.</p> <p>To complete this course students will be required to:</p> <ul style="list-style-type: none"> <li>• Use advanced processes to make specified products with special features.</li> <li>• Demonstrate knowledge and understanding of advanced concepts to make fabric products</li> <li>• Make advanced adaptations to patterns and products</li> </ul>
<b>ASSESSMENT:</b>	Level 2 FABRIC Technology is a Standards based course that is internally assessed and externally moderated.
<b>COURSE COSTS:</b>	Students will be required to supply the materials required for this course
<b>ENTRY REQUIREMENTS:</b>	Students need to have achieved at Level 1 in this subject or at the discretion of the Subject Teacher

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91345	Implement advanced procedures using textile materials to make a specified product with special features.	INTERNAL	6 Credits	
AS 91350	Make advanced adaptations to a pattern to change the structural and style features of a design.	INTERNAL	4 Credits	
AS 91351	Implement advanced procedures to process a specified product.	INTERNAL	4 Credits	
AS91356	Develop a conceptual design for an outcome	INTERNAL	6 Credits	
AS91357	Undertake effective development to make and trial a prototype	INTERNAL	6 Credits	

**All senior students will be given the opportunity to extend their experience in design and technical skills and gain additional credits by participating in a Vocational Pathways programme in conjunction with Waiariki Polytechnic. We are negotiating the final details of this extended programme.**

## **FABRIC TECHNOLOGY (FBT) LEVEL 3**

<b>COURSE</b>	<b>FABRIC TECHNOLOGY LEVEL 3</b>
<b>QUALIFICATION:</b>	NCEA Level 3 Fabric Technology - up to 25 credits available
<b>DESCRIPTION:</b>	This course will follow the Technological Process of planning, researching, designing and constructing to produce an item to satisfy an individual need. Fabric Technology Level 3 provides qualifications and experience in the Fashion Industry and is an approved subject for University Entrance. Students can also gain Scholarship in Technology.
<b>ASSESSMENT:</b>	This course is internally assessed and externally moderated.
<b>COURSE COSTS:</b>	Students will be required to supply the materials required for this course
<b>ENTRY REQUIREMENTS:</b>	Students need to have achieved at L2 in this subject or at the discretion of the Subject Teacher

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91621	Implement complex procedures using textile materials to make a specified product	INTERNAL	6 Credits	
AS 91623	Implement complex procedures to create an applied design for a specified product	INTERNAL	4 Credits	
AS 91626	Draft a pattern to interpret a design for a garment	INTERNAL	6 Credits	
AS 91610	Develop a conceptual design considering fitness for purpose in the broadest sense	INTERNAL	6 credits	
AS 91611	Develop a prototype considering fitness for purpose in the broadest sense	INTERNAL	6 credits	

***All Senior students will be given the opportunity to extend their experience in design and technical skills and gain additional credits by participating in a Vocational Pathways programme in conjunction with Waiariki Polytechnic. We are negotiating the final details of this extended programme.***



## FOOD AND NUTRITION (FAN)

**COURSE:** FOOD AND NUTRITION LEVEL 1

**QUALIFICATION:** NCEA Level 1 Food and Nutrition - 23 credits available.

**DESCRIPTION:** The course is a combination of Health and Food Technology. This course covers two areas to establish the needs of the students and give direction for year 12 and 13.  
The Food Technology component is a student centred course dealing with real problem solving in a practical environment. The students establish the needs of a person who is Gluten Intolerant. They use technological practice to produce a practical solution. The student will break the client's problem down into key factors, then research possible solutions and apply that research to the final practical solution. It focuses on researching, analysing and decision making. This is all Internally assessed.  
The Health component looks at the nutritional needs of a teenager plus the influences packaging and advertising has on individual's food choices.

**ASSESSMENT:** 19 Credits internally assessed  
4 Credits externally assessed

**COURSE COSTS:** Students will be required to bring extra ingredients.

**ENTRY REQUIREMENTS:** Proven performance in Year 10 Technology or at the HOF's discretion

ACHIEVEMENT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91044	Food Technology: Undertake brief development to address a need or opportunity	INTERNAL	4 Credits	L1 Lit
AS 91047	Food Technology: Undertake development to make a prototype to address a brief	INTERNAL	6 Credits	
AS 91049	Food Technology: Implement basic procedures to process a specified product.	EXTERNAL	4 Credits	
AS 90956	Nutrition: Demonstrate knowledge of an individual's nutritional needs	INTERNAL	5 Credits	
AS 90961	Nutrition: Demonstrate understanding of how packaging influences an individual's food choices and well being	EXTERNAL	4 Credits	
AS 91049	Food Technology: Demonstrate understanding of how material enable technological product(s) to function	EXTERNAL	4 Credits	L1 Lit

## **FOOD AND NUTRITION (FAN) LEVEL 2**

<b>COURSE:</b>	<b>FOOD AND NUTRITION LEVEL 2</b>
<b>QUALIFICATION:</b>	NCEA Level 2 Food and Nutrition.
<b>DESCRIPTION:</b>	<p>The course is a combination of Health and Food Technology. This course covers two areas to establish the needs of the students and give direction for YEAR 13.</p> <p>The Food Technology component is a student centred course dealing with real problem solving in a practical environment. The students establish a client for whom they use technological practice to produce a creative practical solution for the client. The student will break the client's problem down into key factors, then research possible solutions and apply that research to the final practical solution. It focuses on researching, analysing and decision making. This is all Internally assessed.</p> <p>The Health component looks at the nutritional needs of a high energy user eg. sports person plus the relationship between a person's well- being, food choices and influences on their health.</p>
<b>ASSESSMENT:</b>	<p>19 Credits internally assessed</p> <p>4 Credits externally assessed</p>
<b>COURSE COSTS:</b>	Students will be required to bring extra ingredients.
<b>ENTRY REQUIREMENTS</b>	Proven performance in Year 11 or at the HOF's discretion.

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91354	Food Technology: Undertake brief development to address an issue	INTERNAL	4 Credits	L1 Lit
AS 91356	Food Technology: Develop a conceptual design for an outcome	INTERNAL	6 Credits	
AS 91357	Food Technology: Undertake effective development to make and trial a prototype	INTERNAL	6 Credits	
AS 91299	Nutrition: Analyse issues related to the provision of food for people with specific food needs	INTERNAL	5 Credits	
AS 91300	Nutrition: Analyse the relationship between well- being, food choices and determinants of health.	EXTERNAL	4 Credits	
US 167	Practice Food Safety methods in a food business	INTERNAL	2 Credits	
US 13280	Prepare fruit and vegetable cuts	INTERNAL	2 Credits	
US 20666	Food Safety: How to identify and control hazards.	INTERNAL	2 Credits	

## **FOOD AND NUTRITION (FAN) LEVEL 3**

<b>COURSE:</b>	<b>FOOD AND NUTRITION LEVEL 3</b>
<b>QUALIFICATION:</b>	NCEA Level 3 Food and Nutrition - 20 credits available.
<b>DESCRIPTION:</b>	<p>The course is a combination of Health and Food Technology. This course covers two areas to establish the needs of the students and give direction for a design based career or a career in health and nutrition.</p> <p>The Food Technology component is a student centred course dealing with real problem solving in a practical environment. The students establish the needs of a sports person. They use technological practice to produce a practical solution. The student will break the client's problem down into key factors, then research possible solutions and apply that research to the final practical solution. It focuses on researching, analysing and decision making. This is all Internally assessed.</p> <p>The Health component looks at basic nutritional knowledge required for commercial catering needs.</p>
<b>ASSESSMENT:</b>	20 Credits internally assessed
<b>COURSE COSTS:</b>	Students will be required to bring extra ingredients.
<b>ENTRY REQUIREMENTS:</b>	Proven performance in year 12 or at the HOD's discretion.

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
US 168	Food Safety: Demonstrate knowledge of food contamination hazards and control methods used in a food business.	INTERNAL	4 Credits	
US 13343	Nutrition: Demonstrate knowledge of basic nutrition in commercial catering.	INTERNAL	4 Credits	
AS 91608	Food Technology: Undertake brief development to address an issue within a determined context.	INTERNAL	4 Credits	L1 Lit
AS 91610	Develop a conceptual design considering fitness for purpose in the broadest sense.	INTERNAL	6 Credits	L1 Lit
AS 91612	Food Technology: Develop a prototype considering fitness for purpose in the broadest sense.	INTERNAL	6 Credits	L1 Lit, W Lt

## HOSPITALITY (HOS) - Levels 2 and 3

**COURSE:** HOSPITALITY LEVELS 2 and 3

**QUALIFICATION:** 20 credits towards NCEA Level 2  
18 credits towards NCEA Level 3  
4 credits external NCEA Level 3

**DESCRIPTION:** This is a multi-level course that begins at Level 1 but has the ability to cater for students at various levels. This course is designed for student's abilities at various levels. It is a practical based course assessed through NZQA Unit Standards. These standards provide students with opportunities to develop skills and knowledge identified as useful and desirable in a variety of hospitality and tourism trades. They are the first steps to further education at Polytechnics apprenticeships and training for careers in the Hospitality Industry. This course covers a range of practical cooking skills and related theory: Food hygiene, safety, nutrition and practical processes in preparation of foods. At present there is a barista course available at Level 2 at this stage. A Level 3 course will be added as it becomes available for students. This course is intended for students with an interest in cooking and perhaps wishing to pursue a career in the Hospitality and Tourism industry.

**ASSESSMENT:** 20 Credits internally assessed Level 2 and 14 Credits internally assessed Level 3  
4 Credits externally assessed Level 3

**COURSE COSTS:** Students will be required to bring extra ingredients.

Proven performance in year 11/12 or at HOD's discretion.

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
US 167	Practice Food Safety methods in a food business	INTERNAL	4 Level 2
US 20666	How to identify and control hazards.	INTERNAL	2 Level 2
US 13280	Prepare fruit and vegetable cuts	INTERNAL	2 Level 2
US 13285	Handle and maintain knives in a commercial kitchen	INTERNAL	2 Level 2
US 13283	Prepare and present salads for service in a commercial kitchen	INTERNAL	2 Level 2
US 17285	Demonstrate knowledge of espresso coffee equipment and preparation.	INTERNAL	4 Level 2
US 13283	Prepare and present salads for service	INTERNAL	2 Level 2
US 13281	Prepare and present basic sandwiches.	INTERNAL	2 Level 2
US 13282	Prepare and present complex sandwiches for service.	INTERNAL	2 Level 3
US 18497	Knowledge of culinary products and terms.	INTERNAL	8 Level 3
US 168	Demonstrate knowledge of food contamination hazards and control methods used in a food business.	INTERNAL	4 Level 3
US 13314	Prepare and cook egg dishes in a commercial kitchen	EXTERNAL	4 Level 3

**Unit Standards** All Unit Standard workbooks must be completed successfully together with each student's evidence of practical work done. Students must provide a photograph of each dish completed to gain the credits.

## METAL TECHNOLOGY (MET) LEVELS 1, 2, 3

<b>COURSE</b>	<b>METAL TECHNOLOGY LEVELS 1, 2 and 3</b>
<b>QUALIFICATION</b>	Credits towards NCEA Technology at the appropriate Level 1, 2 or 3
<b>DESCRIPTION</b>	<p>Metal Technology is a metal-based workshop course with a strong emphasis on Engineering design. It is assessed through a combination of MOE Achievement Standards and a Mechanical Engineering Industry Training Organization (ITO) Unit Standard (safety). This programme has been 'tailored' for students to gain the necessary qualifications, knowledge and skills in engineering design, materials, tools and equipment for university entrance to a range of engineering courses. It also provides an 'in-depth' pathway for polytechnic courses and trade apprenticeships in the various engineering disciplines when they leave school.</p> <p>This is a multi-level course that begins at Level 1 but has the flexibility to cater for student abilities at various levels. Students use the knowledge and experience gained as the year progresses to inform decision-making in the design and manufacture of an 'own-choice' project.</p> <p>The Level 2 and 3 programmes are design orientated practical courses that require students to use a design process to develop a product of their choice, from a concept into a functioning prototype. These programmes progressively extend and further develop the student's skill knowledge and understanding from the Level 1 programme.</p> <p>To be successful students are expected to demonstrate confidence, initiative and competency in all theory, design and practical work. It is essential that prototype research, analysis and design development work is undertaken as both class and home work.</p> <p>The Achievement Standards selected for the programme will develop student understanding of the materials they are working with and enhance their design skills. These standards will be an asset for entry to the various engineering courses offered in the two dominant Engineering Universities in our region.</p>
<b>ASSESSMENT</b>	<p>Metal Technology offers both internally and externally assessed standards providing students with the opportunity to gain an endorsement in the subject. The actual number of credits a student has the opportunity to earn is variable, depending on year-level, and the standards selected, but would normally range between 14 to 22 credits</p>
<b>ENTRY REQUIREMENTS</b>	<p>Satisfactory completion of Year 10 Metal Technology or after consultation with the Head of Technology Faculty for entry into Level 1. Level 2 and 3 candidates MUST have successfully completed Level 1 Metal Technology in order to be considered.</p>
<b>NOTE</b>	<p>The above information is a guide only; classroom dynamics, student abilities, motivation and circumstances will dictate the final programme structure. The Technology Faculty reserves the right to make the final decision on which Standards will be offered.</p>

***The programs will be structured around a selection from the following list of Standards, although others may be added as the programme for next year is developed.***

## **METAL TECHNOLOGY (MET) LEVELS 1, 2, 3**

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
<b><u>LEVEL 1</u></b>				
AS 91046	1.3 Use Design ideas to produce a conceptual design for an outcome to address a brief	INTERNAL	6 Credits	
AS 91047	1.4 Undertake development to make a prototype to address a brief	INTERNAL	6 Credits	
AS 91049	1.6 Demonstrate understanding of how materials enable technological products to function	EXTERNAL	4 Credits	
AS 91057	1.20 Implement basic procedures using resistant materials to make a specified product	INTERNAL	6 Credits	
AS 91059	1.22.Demonstrate understanding of basic concepts used to make products from resistant materials	INTERNAL	4 Credits	
ITO-US 22926	Demonstrate knowledge of safety procedures in a specific engineering workshop.	INTERNAL	2 Credits	
<b><u>LEVEL 2</u></b>				
AS 91344	2.20 Implement advanced procedures using resistant materials to make a specified product with special features	INTERNAL	6 Credits	
AS 91354	2.1 Undertake brief development to address an issue	INTERNAL	4 Credits	
AS 91356	2.3 Develop a conceptual design for an outcome.	INTERNAL	6 Credits	
AS 91357	2.4 Undertake effective development to trial and make a prototype.	INTERNAL	6 Credits	
AS 91363	2.10 Demonstrate understanding of sustainability in design	EXTERNAL	4 Credits	
ITO-US 21911	Demonstrate knowledge of safety on engineering sites	INTERNAL	2 Credits	
<b><u>LEVEL 3</u></b>				
AS 91608	3.1 Undertake brief development to address an issue within a determined context	INTERNAL	4 Credits	
AS 91610	3.3 Develop a conceptual design considering fitness for purpose in the broadest sense.	INTERNAL	6 Credits	
AS 91611	3.4 Develop a prototype considering fitness for purpose in the broadest sense.	INTERNAL	6 Credits	
AS 91617	3.10 Undertake a critique of a technological outcome's design	INTERNAL	4 Credits	

## **MECHANICAL ENGINEERING (MEN) LEVELS 1 and 2**

<b>COURSE</b>	<b>MECHANICAL ENGINEERING LEVELS 1 and 2</b>
<b>QUALIFICATION</b>	Credits towards NCEA Level 1 & 2 and the Level 2 National Certificate in Mechanical Engineering
<b>DESCRIPTION</b>	<p>This is a multi-level course that begins at Level 1 but has the flexibility to cater for student abilities at various levels. It is a metal-based, practical workshop course, assessed through a combination of MOE Achievement Standards and Mechanical Engineering Industry Training Organization (ITO) Unit Standards. These standards provide students with opportunities to develop skills and knowledge identified as useful and desirable in a variety of trades. They are the first steps to further education at Polytechnics, apprenticeships and training for careers in the metalworking and engineering industries. This course covers a range of engineering skills and related theory: e.g. safety, hand tools and processes, safe use of power tools, fabrication, welding, machining and is intended for students with an interest in engineering and perhaps wishing to pursue a career in the Mechanical Engineering and Automotive industries as well as forestry or farming. Further credits in Year 13 are only available at Level 2 in this course</p> <p>As part of this course, students attend an out-of-school course run by the NZ Welding school as Scion Research facility where they will gain welding skills, as well as a Level 2 Welding Certificate. This will be a great advantage in finding work in relevant industries or training institutions when they leave school.</p> <p>This course can also be tailored to work around students who are doing out-of school programmes such as work experience or gateway courses by reducing the number of credits attempted while keeping the practical component of the course.</p>
<b>ASSESSMENT</b>	<p>Mechanical Engineering is internally assessed and externally moderated by the industry training organisation.</p> <p>18 NCEA Level 1 credits are viewed as being the optimum number for a viable course.</p> <p>4 literacy credits are available in Standard AS 91049.</p>
<b>ENTRY REQUIREMENTS</b>	Satisfactory completion of Year 10 Metal Technology or after consultation with the Head of Technology Faculty.
<b>NOTE</b>	The above information is a guide only; classroom dynamics, student abilities and circumstances will dictate the final programme structure. The Technology Faculty reserves the right to make the final decision on which Standards will be offered.

***The programs will be structured around a selection from the following list of Standards, although others may be added as the programme for next year is developed.***

## **MECHANICAL ENGINEERING (MEN) LEVELS 1 and 2**

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>
<b><u>LEVEL 1</u></b>			
AS 91057	1.20 Implement basic procedures using resistant materials to make a specified product	INTERNAL	6 Credits
ITO-US 22926	Demonstrate knowledge of safety procedures in a specific engineering workshop.	INTERNAL	2 Credits
IT	Demonstrate Basic Engineering Workshop Skills	INTERNAL	12 Credits
O-US 22923	Under Close Supervision		
ITO-US 22924	Develop a Simple Product Using Engineering Materials	INTERNAL	10 Credits
<b><u>LEVEL 2</u></b>			
AS 91344	2.20 Implement advanced procedures using resistant materials to make a specified product with special features	INTERNAL	6 Credits
ITO-US 21911	Demonstrate knowledge of safety on engineering sites	INTERNAL	2 Credits
ITO-US 2395	Select, use and care for engineering hand tools	INTERNAL	4 Credits
ITO-US 2396	Select, use and care for engineering power tools	INTERNAL	4 Credits
ITO-US 4435	Select, use and care for engineering dimensional measuring equipment	INTERNAL	3 Credits
ITO-US 4436	Select use and care for engineering marking-out equipment	INTERNAL	4 Credits
ITO-US 20917	Demonstrate basic knowledge of engineering materials	INTERNAL	3 Credits
ITO-US 21905	Demonstrate knowledge of basic mechanics for engineering trades	INTERNAL	2 Credits
ITO-US 2430	Draw and interpret sketches	INTERNAL	4 Credits

***The Year 13 programme is a continuation of the two-year Level 2 programme which is considered to be a pre-apprenticeship course.***



## **WOOD-BASED TECHNOLOGY (WDT)**

### **WOOD-BASED TECHNOLOGY (WDT) LEVEL 1**

<b>COURSE</b>	<b>WOOD-BASED TECHNOLOGY (WDT) LEVEL 1</b>
<b>QUALIFICATION</b>	Credits towards NCEA Level 1
<b>DESCRIPTION</b>	Level 1 Materials Technology is a wood-based workshop course assessed through a combination of MOE Achievement Standards, Furniture-making Industry Training Organization (FITO) Unit Standards and Building Construction Industry Training Organization (BCITO) Unit Standards. These Unit Standards provide students with opportunities to develop skills identified as useful and desirable by the respective trades. They are moderated by the respective industry organization and are the first steps to further education at Polytechnics, apprenticeships and training for careers in industry. Generally an emphasis is placed upon practical skills, competence, knowledge, understanding and safety matters. The programme continues through to Level 2 (Year 12) and Level 3 (Year 13).
<b>ASSESSMENT</b>	Materials Technology is internally assessed and externally moderated offering approximately 18 NCEA Level 1 credits. (Eighteen credits are viewed as the optimum number)
<b>ENTRY REQUIREMENTS</b>	Satisfactory completion of Year 10 Materials Technology or after consultation with the Head of Technology Faculty.

***The program will be structured around a selection of Standards from the following list of Standards:***

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO OF CREDITS</b>
AS 91047	Undertake development to make a prototype to address a brief	INTERNAL	6 Credits
AS 91057	Implement basic procedures using resistant materials to make a specified product	INTERNAL	6 Credits
US 25920	Use joints for a building project	INTERNAL	3 Credits
US 24355	Demonstrate knowledge of construction and manufacturing materials used in a building project	INTERNAL	4 Credits
US 24352	Demonstrate knowledge of and apply safe working practices in the construction of a BCATS project.	INTERNAL	2 Credits

***The above information is a guide only; classroom dynamics, student abilities and circumstances will dictate the final programme structure. The Technology Faculty reserves the right to make the final decision on which Standards will be offered.***

## **WOOD-BASED TECHNOLOGY (WDT) LEVEL 2**

<b>COURSE</b>	<b>WOOD-BASED TECHNOLOGY (WDT) LEVEL 2</b>
<b>QUALIFICATION</b>	Credits towards NCEA Level 2
<b>DESCRIPTION</b>	Level 2 Materials Technology is a wood-based workshop course assessed through a combination of MOE Achievement Standards, Furniture-making Industry Training Organization (FITO) Unit Standards and Building Construction Industry Training Organization (BCITO) Unit Standards that follow-on from the Level 1 course. The list below is a guide to those that may be used. Usually we select the standards that place an emphasis upon practical skills, competence, knowledge, understanding and safety matters. The course flows through to Level 3 (Year 13).
<b>ASSESSMENT</b>	Materials Technology is internally assessed and externally moderated offering approximately 18 NCEA Level 2 credits. ( <i>eighteen credits are viewed as the optimum number</i> )
<b>ENTRY REQUIREMENTS</b>	Satisfactory completion of Level 1 Materials Technology or after consultation with the Head of Technology Faculty.

***The program will be structured around a selection of Standards from the following list of Standards:***

### **NOT ALL OF THESE STANDARDS WILL BE USED.**

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>
AS 91344	Implement advanced procedures using resistant materials to make a specified product with special features	INTERNAL	6 Credits
AS 91357.	Undertake effective development to make and trial a prototype	INTERNAL	6 Credits
US 2199	Use hand tools in making furniture	INTERNAL	4 Credits
US 2220	Set and operate basic boring machines to produce wooden furniture	INTERNAL	4 Credits
US 20047	Hand turn wood to produce basic furniture making articles	INTERNAL	4 Credits
US25536	Operate a bandsaw to produce furniture components	INTERNAL	3 Credits
US 18918	Apply woodworking techniques to construct a basic carcass in furniture making.	INTERNAL	6 Credits

***The above information is a guide only; classroom dynamics, student abilities and circumstances will dictate the final programme structure. The Technology Faculty reserves the right to make the final decision on which Standards will be offered.***

### **WOOD-BASED TECHNOLOGY (WDT) LEVEL 3**

<b>COURSE</b>	<b>Practical Woodworking NCEA Level 3</b>
<b>QUALIFICATION</b>	Level 3 NCEA in Technology (Up to 10 credits at Level 2 and/or 11 – 16 credits at Level 3)
<b>DESCRIPTION</b>	<p>This course is oriented towards the practical skills of woodworking and is structured to suit students who enjoy working with tools, machines and equipment. However, after consultation with the teacher, the opportunity of a more 'in-depth' programme for students hoping to achieve Level 3 course endorsement or credits towards university entrance is available. The Technology Faculty reserves the right to be the final judge on the course structure offered to students.</p> <p>Level 3 Practical Woodworking is specifically aimed at students who enjoy the practical side of wood-work. It has a high practical component with students being involved with project work for most of the year. Students will gain knowledge and skills in the safe use of a variety of hand tools, portable power tools and machines. Students interested in becoming electricians, builders, cabinet makers, construction workers, or involved in the agricultural sector would find this course very useful.</p> <p>Students who join the course will be encouraged, when appropriate, to seek opportunities and involvement with the 'Gateway', 'Youth Guarantee' and other career programmes organised by the school through external providers. These programmes would be linked to their woodworking course.</p>
<b>ASSESSMENT</b>	Unless an alternative programme has been discussed with the teacher, the course will be assessed against Industrial Training Organisation (ITO) Unit Standards from the building and furniture making industries, Ministry of Education Achievement Standards and other Unit Standards offered by external providers. All credits gained from these assessments will count towards NCEA.
<b>ENTRY REQUIREMENTS</b>	Satisfactory completion of Level 2 Wood Technology or after consultation with the teacher, Mr Cook, or the Head of Technology Faculty, Mr Strachan.

**The program will be structured around a selection of Standards from the following list of Standards. Not all of these Standards will be used.**

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>
AS 91620	Implement complex procedures to integrate parts using resistant materials to make a specified product	INTERNAL	6 Credits
US 25536	Set a bandsaw to cut furniture components	INTERNAL	4 Credits
US 25045	Employ height safety equipment in the workplace	INTERNAL	4 Credits
US 17600	Explain safe work practices for working at heights	INTERNAL	3 Credits
US 23229	Use a safety harness for personal fall prevention when working at height.	INTERNAL	4 Credits

***There may be new Level 3 Standards offered next year from BCITO, but this has not yet been confirmed.***

## SOCIAL SCIENCES

### ECONOMICS (ECO) – LEVEL 1

<b>COURSE:</b>	<b>ECONOMICS LEVEL 1</b>
<b>QUALIFICATION:</b>	19 credits towards NCEA Level 1
<b>DESCRIPTION:</b>	This is an introductory course covering basic economic problem of choice, allocation of resources, the market players (consumer, producer and government), demand and supply and relationships within the economy. Students who think they may have a future in business or commerce are advised to take this course as the fundamental economic theory is taught in this programme.
<b>ASSESSMENT:</b>	12 credits externally assessed 7 credits internally assessed
<b>ENTRY REQUIREMENTS:</b>	Open

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 90983 (1.1)	Demonstrate understanding of consumer choices, using scarcity and/or demand	EXTERNAL	4 Credits	L1 Lit
AS 90985 (1.3)	Demonstrate understanding of producer choices using supply	EXTERNAL	3 Credits	L1 Lit
AS 90986 (1.4)	Demonstrate understanding of how consumer, producer and/or government choices affect society, using market equilibrium	EXTERNAL	5 Credits	L1 Lit
AS 90987 (1.5)	Demonstrate understanding of a government choice where affected groups have different viewpoints	INTERNAL	4 Credits	L1 Lit
AS 90988 (1.6)	Demonstrate understanding of the interdependence of sectors of the New Zealand economy	INTERNAL	3 Credits	L1 Lit

## **ECONOMICS (ECO) – LEVEL 2**

<b>COURSE:</b>	<b>ECONOMICS – LEVEL 2</b>
<b>QUALIFICATION:</b>	22 credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This course has a macroeconomic focus and covers a variety of current economic issues - including trade, growth, inflation and New Zealand government policies. Students will explore important issues that affect all people in New Zealand and study is based on contemporary New Zealand examples.
<b>ASSESSMENT:</b>	10 credits internally assessed 12 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	<b>Open</b>
<b>COURSE COSTS</b>	Nil

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91222 (2.1)	Analyse inflation using economic concepts and models	EXTERNAL	4 Credits	L1 Lit, W Lit
AS 91223 (2.2)	Analyse international trade using economic concepts and models	EXTERNAL	4 Credits	L1 Lit, W Lit
AS 91224 (2.3)	Analyse economic growth using economic concepts and models	EXTERNAL	4 Credits	L1 Lit, W Lit
AS 91227 (2.6)	Analyse how government policies and contemporary economic issues interact	INTERNAL	6 Credits	L1 Lit, R Lit
AS 91228 (2.7)	Analyse a contemporary economic issue of special interest using economic concepts and models	INTERNAL	4 Credits	L1 Lit, R Lit

## **ECONOMICS (ECO) – LEVEL 3**

<b>COURSE:</b>	<b>ECONOMICS LEVEL 3</b>
<b>QUALIFICATION:</b>	18 credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This UE approved subject focuses on how resources are allocated in the economy via both the market system and government. Students will research economic issues within New Zealand and the policies available to government as remedies. Students will gain an understanding of economics that will enable them to make sense of what is happening in the New Zealand economy. It is strongly recommended that students wishing to study commerce, management or business degrees take this course in Year 13.
<b>ASSESSMENT:</b>	10 credits internally assessed 8 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	<b>Open</b>

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91399 (3.1)	Demonstrate understanding of the efficiency of market equilibrium	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91400 (3.2)	Demonstrate understanding of the efficiency of different market structures using marginal analysis	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91401 (3.3)	Demonstrate understanding of micro-economic concepts	INTERNAL	5 Credits	L1 Lit, R Lit
AS 91402 (3.5)	Demonstrate understanding of government interventions to correct market failures	INTERNAL	5 Credits	L1 Lit, R Lit

## **BUSINESS STUDIES**

### **BUSINESS STUDIES (BUS) – LEVEL 1**

<b>COURSE:</b>	<b>BUSINESS STUDIES LEVEL 1</b>
<b>QUALIFICATION:</b>	17 credits towards NCEA Level 1
<b>DESCRIPTION:</b>	Business Studies at Level 1 is designed to cater to those students who want to pursue practical business education in the senior school. The course combines the development of knowledge and skill relating to small businesses with a practical component where students try out the theory they have learned 'for real'.
<b>ASSESSMENT:</b>	12 credits externally assessed 9 credits internally assessed
<b>ENTRY REQUIREMENTS:</b>	Open

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90837 (1.1)	Demonstrate an understanding of internal features of a small business	EXTERNAL	4 Credits	L1 Lit
AS 90839 (1.3)	Apply business knowledge to an operational problem(s) in a given small business context	EXTERNAL	4 Credits	L1 Lit
AS 90840 (1.4)	Apply the marketing mix to a new or existing product	INTERNAL	3 Credits	L1 Lit
AS 90842 (1.6)	Carry out and review a product-based business activity within a classroom context with direction	INTERNAL	6 Credits	L1 Lit

## **YOUNG ENTERPRISE SCHEME (YES) LEVEL 2**

<b>COURSE:</b>	<b>YOUNG ENTERPRISE SCHEME (YES)</b>
<b>QUALIFICATION:</b>	16 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	<p>The Young Enterprise Scheme is a 'hands on' business programme where students set up their own company, create real products/services, implement real marketing plans, earn real money, and keep real profits. This is not just an academic course but also a relevant and exciting journey.</p> <p>This course is a great opportunity to realise uniqueness, develop strengths, and work in a team situation. Students experience managing a business for real and develop enterprise and financial education skills.</p> <p>All fully registered Young Enterprise teams have the opportunity to enter for the regional and the national awards and competitions to compete for cash prizes.</p>
<b>ASSESSMENT:</b>	Evidence is gathered from students throughout the year to meet Achievement Standard criteria.
<b>ENTRY REQUIREMENTS:</b>	Open
<b>COURSE COSTS</b>	YES: Registration fee \$15 per student.

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90846 (2.4)	Conduct market research for a new or existing product	INTERNAL	3 Credits	L1 Lit, Num
AS 90848 (2.6)	Carry out, review and refine a business activity within a community context with guidance	INTERNAL	9 Credits	L1 Lit
AS 90843 (2.1)	Demonstrate understanding of the internal operations of a large business	EXTERNAL	4 Credits	L1 Lit

### **BUSINESS STUDIES (BUS) LEVEL 3**

<b>COURSE:</b>	<b>BUSINESS STUDIES LEVEL 3</b>
<b>QUALIFICATION:</b>	20 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	<p>Business Studies is a university entrance approved subject at Level 3 which caters for students who want a combination of business theory and a shorter, practical, business experience than previously offered at this level.</p> <p>The focus of the business theory is on doing business in a global context. The learning for one internal assessment and two external achievement standards will be significantly enhanced by the opportunity to participate in a class trip to China as part of their programme of study in 2016.</p> <p>There is a 9 credit 'hands on' business component of the course where students set up their own company, create real products/services, implement real marketing plans, earn real money, and keep real profits. This is not just an academic course but also a relevant and exciting journey.</p>
<b>ASSESSMENT:</b>	A combination of external examinations and internal assessments based on practical application of business theory.
<b>ENTRY REQUIREMENTS:</b>	Open

***Students who opt for Business Studies at Level 3 are invited to join a Business Studies trip to China in April. While participating in the trip is not essential to complete the programme, it will significantly enhance the learning and understanding of the business theory studied at this level for 16 of the available credits in this course.***

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91380 (3.2)	Demonstrate understanding of strategic response to external factors by a business that operates in a global context	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91381 (3.3)	Apply business knowledge to address a complex problem(s) in a given global business context	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91383 (3.5)	Analyse a human resource issue affecting businesses	INTERNAL	3 Credits	L1 Lit, R Lit
AS 91384 (3.6)	Carry out with consultation, an innovative, sustainable business activity	INTERNAL	9 Credits	L1 Lit, R Lit



## **LEGAL STUDIES (LGS) – LEVEL 2**

<b>COURSE:</b>	<b>LEGAL STUDIES NCEA LEVEL 2</b>
<b>QUALIFICATION:</b>	20 to 24 credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This course covers the basics of NZ law. Topics include principles of law; law making; principles of justice; how to challenge the power of the state; what are the checks and balances in our system of government. Each of the topics is looked at using actual cases and examples.
<b>ASSESSMENT:</b>	20-24 credits internally assessed using open book assessment methods. Grades are Achieved, Merit and Excellence and count towards overall endorsement for NCEA Level 2.
<b>ENTRY REQUIREMENTS:</b>	<b>Open</b> , however NCEA level 1 literacy requirements must be met prior to undertaking this course.  Depending on numbers, Year 12 students opting for this subject may be offered the Level 3 course.

UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
US 27839	Explain concepts of justice	INTERNAL	4 Credits
US 27842	Explain concepts of law	INTERNAL	4 Credits
US 27848	Explain a law making concept	INTERNAL	4 Credits
US 27836	Explain concepts of democracy and government in a New Zealand context.	INTERNAL	4 Credits
US 27845	Explain litigation and dispute resolution processes	INTERNAL	4 Credits
US 27851	Explain a law making process	INTERNAL	4 Credits

## **LEGAL STUDIES (LGS) – LEVEL 3**

<b>COURSE:</b>	<b>LEGAL STUDIES NCEA LEVEL 3</b>
<b>QUALIFICATION:</b>	20 credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This course follows on from Year 12 Legal Studies by examining aspects of the New Zealand legal system in more depth. We evaluate concepts such as how our laws are made, the sentencing of criminals, and challenging the power of the state by looking at specific examples.  There are no pre-requisites and students may begin their programme of study at this level. Legal Studies is not a university approved subject but Achieved, Merit and Excellence grades are available and count towards Level 3 endorsement.
<b>ASSESSMENT:</b>	20 Credits internally assessed
<b>ENTRY REQUIREMENTS:</b>	<b>Open</b> , however NCEA level 1 literacy requirements must be met prior to undertaking this course.

UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
US 27840	Evaluate a concept of justice in relation to a specific situation.	INTERNAL	4 Credits
US 27846	Evaluate litigation and dispute resolution processes in relation to challenging state power.	INTERNAL	4 Credits
US 27843	Evaluate a concept of law in relation to a specific situation.	INTERNAL	4 Credits
US 27849	Evaluate a law making process in relation to a significant legal issue	INTERNAL	4 Credits
US 27837	Evaluate a concept of democracy and government in relation to restraint on state power	INTERNAL	4 Credits

***There are other options available and depending upon students interests other units could be studied.***

# GEOGRAPHY (GEO)

## GEOGRAPHY (GEO) – LEVEL 1

<b>COURSE:</b>	<b>GEOGRAPHY NCEA LEVEL 1</b>
<b>QUALIFICATION:</b>	Up to 25 Credits NCEA Level 1 depending on student needs and ability.
<b>DESCRIPTION:</b>	<p>This is a foundation course for students wanting to study geography at a higher level. We study four main areas, with related case studies. These are:</p> <ul style="list-style-type: none"> <li>➤Population</li> <li>➤Sustainability – sustainable use of an environment</li> <li>➤Natural Hazards</li> <li>➤GIS- Geographic Information Systems. Storage, retrieval and analysis of Geographic information in digital format.</li> </ul> <p>These standards link into a full course of study at Level Two and Level Three</p> <p>This subject can also be taken as a stand-alone course. Fieldwork is an important component of the course. We visit the Agricultural Fieldays to carry out research and arrange a fieldtrip to the environment being studied for sustainability.</p>
<b>ASSESSMENT:</b>	<p>16 Credits internally assessed</p> <p>12 Credits externally assessed</p>
<b>ENTRY REQUIREMENTS:</b>	Open entry. However a Year 10 Social Studies mark of 45% or better and good communication skills would be desirable.

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91007 (1.1)	Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)	EXTERNAL	4 Credits	L1 Lit
AS 91008 (1.2)	Demonstrate geographic understanding of Population Concepts.	EXTERNAL	4 Credits	L1 Lit
AS 91009 (1.3)	Demonstrate geographic understanding of the sustainable use of an environment.	INTERNAL	3 Credits	L1 Lit
AS 91010 (1.4)	Apply concepts and basic geographic skills to demonstrate understanding of a given Environment.	EXTERNAL	4 Credits	Num
AS 91011 (1.5)	Conduct geographic research with direction.	INTERNAL	4 Credits	L1 Lit, Num
AS 91012 (1.6)	Describe aspects of a contemporary New Zealand geographic issue.	INTERNAL	3 Credits	L1 Lit
AS 91013 (1.7)	Describe aspects of a geographic topic at a Global scale.	INTERNAL	3 Credits	L1 Lit
AS 91014 (1.8)	Apply spatial analysis, with direction, to solve a geographic problem.	INTERNAL	3 Credits	L1 Lit

***The Achievement Standards taught will reflect the needs of the students and the resources available***

## **GEOGRAPHY (GEO) – LEVEL 2**

<b>COURSE QUALIFICATION:</b>	<b>GEOGRAPHY NCEA LEVEL 2</b>
<b>DESCRIPTION:</b>	<p>Up to 26 credits towards NCEA Level 2 depending on student needs and ability.</p> <p>This is a course for students interested in the environment and in geography as a subject. In the course we examine and explain</p> <ul style="list-style-type: none"> <li>➤ Large Natural Landscapes – South Island Glaciated High Country/Amazon Basin</li> <li>➤ Urban Pattern – Gentrification, Urban sprawl, transport</li> <li>➤ Inequalities in Development.- Africa/South America</li> </ul> <p>We apply skills and ideas in a geographic context and introduce the use of G.I.S to help gather and analyze data. The students are involved in conducting Geographic research with guidance as well as explaining contemporary geographic issues and global patterns.</p> <p>Geography is useful for Engineering careers, town planning, management of resources and is accepted as a support subject in the Science, Social Science and Arts faculties at University.</p>
<b>ASSESSMENT:</b>	<p>17 Credits internally assessed</p> <p>12 Credits externally assessed</p>
<b>ENTRY REQUIREMENTS:</b>	<p>Any one of the following and at the discretion of the Head of Subject.</p> <p>Credit Year 11 English</p> <p>Credit Year 11 Geography/ History/ Social Studies</p>
<b>ADDITIONAL COSTS:</b>	Possible South Island Field Trip if numbers and interest justify this activity.

<b>ACHIEVEMENT/UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91240 (2.1)	Demonstrate geographic understanding of a large natural environment	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91241 (2.2)	Demonstrate geographic understanding of an urban pattern	INTERNAL	3 Credits	L1 Lit
AS 91242 (2.3)	Demonstrate geographic understanding of differences in development	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91243 (2.4)	Apply concepts and geographic skills to demonstrate understanding of a given environment	EXTERNAL	4 Credits	L1 Lit
AS 91244 (2.5)	Conduct geographic research with guidance	INTERNAL	5 Credits	L1 Lit, Num
AS 91245 (2.6)	Explain aspects of a contemporary New Zealand geographic issue	INTERNAL	3 Credits	L1 Lit
AS 91246 (2.7)	Explain aspects of a geographic topic at a global scale	INTERNAL	3 Credits	L1 Lit
AS 91247 (2.8)	Apply spatial analysis, with guidance, to solve a geographic problem	INTERNAL	3 Credits	L1 Lit, Num

***The Achievement Standards taught will reflect the needs of the students and the resources available***

## **GEOGRAPHY (GEO) – LEVEL 3**

<b>COURSE:</b>	<b>GEOGRAPHY NCEA LEVEL 3</b>
<b>QUALIFICATION:</b>	23 Credits towards NCEA Level 3 depending on student needs and ability.
<b>DESCRIPTION:</b>	<p>This course develops the understanding of the environment as the home of people. Concepts taught are reinforced by case study and fieldwork. The main topics studied are:</p> <ul style="list-style-type: none"> <li>➤ Natural Processes in a coastal setting. Case study Muriwai Beach - three day fieldwork opportunity.</li> <li>➤ The Cultural Process of Tourism Development in a NZ and overseas setting.</li> </ul> <p>All topics are linked to one or more of the Important Geographic Concepts of sustainability, environment, location, interaction and perception. Geography is useful for Engineering careers, town planning, management of Resources and any career that involves people interacting with the environment. It is accepted as a support subject in the Science, Social Science and Arts faculties at University so gives flexibility in planning your degree subjects.</p>
<b>ASSESSMENT:</b>	<p>17 credits internally assessed</p> <p>12 credits externally assessed</p>
<b>ADDITIONAL COST:</b>	There is a possibility of an extended field trip to the Muriwai Coastal area.
<b>ENTRY REQUIREMENTS:</b>	NCEA L2 Geography/History/English or discretion of Faculty Head

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91426 (3.1)	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment.	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91427 (3.2)	Demonstrate understanding of how a cultural process shapes geographic environment(s).	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91428 (3.3)	Analyse a significant contemporary event from a geographic perspective.	INTERNAL	3 Credits	L1 Lit, R Lit
AS 91429 (3.4)	Demonstrate understanding of a given environment(s) through the selection and application of geographic concepts and skills.	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91430 (3.5)	Conduct geographic research with consultation	INTERNAL	5 Credits	L1 Lit, Num
AS 91431 (3.6)	Analyse aspects of a contemporary geographic issue	INTERNAL	3 Credits	L1 Lit, R Lit
AS 91432 (3.7)	Analyse aspects of a geographic topic at a global scale	INTERNAL	3 Credits	L1 Lit
AS 91433 (3.8)	Apply spatial analysis, with consultation, to solve a geographic problem	INTERNAL	3 Credits	L1 Lit, Num

***The Achievement Standards taught will reflect the needs of the students and the resources available***

## **HISTORY (HIS)**

### **HISTORY (HIS) – LEVEL 1**

<b>COURSE:</b>	<b>HISTORY LEVEL 1</b>
<b>QUALIFICATION:</b>	Up to 24 credits towards NCEA Level 1
<b>DESCRIPTION:</b>	➤Human Rights and the Struggle for Equality – Slavery and Black Civil Rights in the USA ➤Origins and Experience of World War II ➤NZ Case Study: Mokoia Island
<b>ASSESSMENT:</b>	12 credits internally assessed 12 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Open Entry

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91001 (1.1)	Carry out an investigation of an historical event, or place, of significance to New Zealanders.	INTERNAL	4 Credits	L1 Lit
AS 91002 (1.2)	Demonstrate understanding of an historical event, or place, of significance to New Zealanders.	INTERNAL	4 Credits	L1 Lit
AS 91003 (1.3)	Interpret sources of an historical event of significance to New Zealanders.	EXTERNAL	4 Credits	L1 Lit
AS 91004 (1.4)	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders.	INTERNAL	4 Credits	L1 Lit
AS 91005 (1.5)	Describe the causes and consequences of an historical event.	EXTERNAL	4 Credits	L1 Lit
AS 91006 (1.6)	Describe how a significant historical event affected New Zealand society.	EXTERNAL	4 Credits	L1 Lit

## **HISTORY (HIS) – LEVEL 2**

<b>COURSE QUALIFICATION:</b>	<b>HISTORY LEVEL 2</b>
<b>DESCRIPTION:</b>	Up to 28 credits towards NCEA Level 2 ➤Nazi Germany ➤Vietnam and the Conflict in Indo –China ➤Conspiracy Theories
<b>ASSESSMENT:</b>	14 credits internally assessed 14 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Open entry

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY/ NUMERACY</b>
AS 91229 (2.1)	Carry out an inquiry of an historical event, or place, that is of significance to New Zealanders	INTERNAL	4 Credits	L1 Lit, R Lit
AS 91230 (2.2)	Examine an historical event, or place, of significance to New Zealanders	INTERNAL	5 Credits	L1 Lit, R Lit
AS 91231 (2.3)	Examine sources of an historical event that is of significance to New Zealanders	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91232 (2.4)	Interpret different perspectives of people in an historical event that is of significance to New Zealanders	INTERNAL	5 Credits	L1 Lit, R Lit
AS 91233 (2.5)	Examine causes and consequences of a significant historical event	EXTERNAL	5 Credits	L1 Lit, B Lit
AS 91234 (2.6)	Examine how a significant historical event affected New Zealand society	EXTERNAL	5 Credits	L1 Lit, B Lit

## **HISTORY (HIS) – LEVEL 3**

<b>COURSE QUALIFICATION:</b>	<b>HISTORY LEVEL 3</b>
<b>DESCRIPTION:</b>	Up to 31 credits towards NCEA Level 3 A study of: ➤Event: The 1984 NZ Election ➤Trend: Youth Culture in NZ
<b>ASSESSMENT:</b>	15 credits internally assessed 16 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Open Entry

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY/ NUMERACY CREDITS</b>
AS 91434 (3.1)	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	INTERNAL	5 Credits	L1 Lit, R Lit
AS 91435 (3.2)	Analyse an historical event, or place, of significance to New Zealanders	INTERNAL	5 Credits	L1 Lit, R Lit
AS 91436 (3.3)	Analyse evidence relating to an historical event of significance to New Zealanders	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91437 (3.4)	Analyse different perspectives of a contested event of significance to New Zealanders	INTERNAL	5 Credits	L1 Lit, R Lit
AS 91438 (3.5)	Analyse the causes and consequences of a significant historical event	EXTERNAL	6 Credits	L1 Lit, B Lit
AS 91439 (3.6)	Analyse a significant historical trend and the force(s) that influenced it	EXTERNAL	6 Credits	L1 Lit, B Lit

## **CLASSICAL STUDIES (CLS) LEVEL 2**

<b>COURSE:</b>	<b>CLASSICAL STUDIES LEVEL 2</b>
<b>QUALIFICATION:</b>	Up to 24 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	A study of three topics covering history, literature and art in the Classical world: * The Odyssey of Homer * Roman Politics in the Age of Caesar and Cicero * Art and Architecture of 5 <sup>th</sup> Century Athens
<b>ASSESSMENT:</b>	14 Credits externally assessed 10 Credits internally assessed
<b>ENTRY REQUIREMENTS:</b>	Achieved at least 12 credits (including at least one external achievement standard) in L1 History or L1/CEN English and/or Head of Faculty discretion

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91200 (2.1)	Examine ideas and values of the classical world	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91201 (2.2)	Examine the significance of features of work(s) of art in the classical world	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91202 (2.3)	Demonstrate understanding of a significant event in the classical world	INTERNAL	4 Credits	L1 Lit, R Lit
AS 91203 (2.4)	Examine socio-political life in the classical world	EXTERNAL	6 Credits	L1 Lit, B Lit
AS 91204 (2.5)	Demonstrate understanding of the relationship between aspects of the classical world and aspects of other cultures	INTERNAL	6 Credits	L1 Lit, R Lit

## **CLASSICAL STUDIES (CLS) LEVEL 3**

<b>COURSE:</b>	<b>CLASSICAL STUDIES LEVEL 3</b>
<b>QUALIFICATION:</b>	Up to 26 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	A study of three topics covering history, literature and art in the Classical world: * Alexander the Great * Comedies of Aristophanes * Art and Architecture of the Roman Empire
<b>ASSESSMENT:</b>	14 Credits externally assessed 12 Credits internally assessed
<b>ENTRY REQUIREMENTS:</b>	Achieved at least 14 credits in L2 Classical Studies or (if the student did not take Classical Studies in L2) 12 credits (including at least one external achievement standard) in L2 History, or 12 credits in L2/CEN English, and/or Head of Faculty discretion

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91394 (3.1)	Analyse ideas and values of the classical world	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91395 (3.2)	Analyse the significance of a work(s) of art in the classical world	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91396 (3.3)	Analyse the impact of a significant historical figure on the classical world	EXTERNAL	6 Credits	L1 Lit, B Lit
AS 91397 (3.4)	Demonstrate understanding of significant ideology(ies) in the classical world	INTERNAL	6 Credits	L1 Lit, R Lit
AS 91398 (3.5)	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	INTERNAL	6 Credits	L1 Lit, R Lit

# **SOCIAL STUDIES (SOS)**

## **SOCIAL STUDIES (SOS) – LEVEL 1**

Social Studies is the systematic study of an integrated body of content drawn from the social sciences and the humanities.

It enables students to develop their knowledge and understandings of the diverse and dynamic nature of society and of how interactions occur among cultures, societies and environments.

Students develop and apply skills as they investigate society, explore issues, make decisions, and work cooperatively with others.

The understandings and skills they developed, enable them to participate in society as informed, confident and responsible citizens.

It is a subject for students who are interested in people: how and why they behave as they do.

<b>COURSE:</b>	<b>SOCIAL STUDIES LEVEL 1</b>
<b>QUALIFICATION:</b>	Up to 20 credits towards NCEA Level 1
<b>DESCRIPTION:</b>	Content could include <ul style="list-style-type: none"> <li>- Describe how cultures change through the impact of music; technology and music, sub cultures and protest songs</li> <li>- Describe consequences of cultures change(s). This standard is resource based and in 2016 the resources related to were leisure and families</li> </ul>
<b>ASSESSMENT:</b>	12 credits internally assessed 8 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Open

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91039 (1.1)	Describe how cultures change.	EXTERNAL	4 Credits	L1 Lit
AS 91040 (1.2)	Conduct a social inquiry	INTERNAL	3 Credits	L1 Lit
AS 91041 (1.3)	Describe consequences of cultures change(s).	EXTERNAL	4 Credits	L1 Lit
AS 91042 (1.4)	Describe personal involvement in a social justice and human rights action	INTERNAL	4 Credits	L1 Lit
AS 91043 (1.5)	Describe a social justice and human rights action	INTERNAL	4 Credits	L1 Lit



## **SOCIAL STUDIES (SOS) – LEVEL 2**

<b>COURSE:</b>	<b>SOCIAL STUDIES LEVEL 2</b>
<b>QUALIFICATION:</b>	Up to 22 credits towards NCEA Level 2
<b>DESCRIPTION:</b>	Potential topics covered could include <ul style="list-style-type: none"> <li>- Demonstrate understanding of conflict(s) arising from different cultural beliefs and ideas: Body Image</li> <li>- Describe how cultural conflicts can be addressed. This standard is resource based and in 2016 the resources related to how health and well-being is governed in New Zealand society.</li> </ul>
<b>ASSESSMENT:</b>	14 credits internally assessed 8 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Open

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91279 (2.1)	Demonstrate understanding of conflict(s) arising from different cultural beliefs and ideas	EXTERNAL	4 Credits	L1 Lit
AS 91280 (2.2)	Conduct an evaluated social inquiry	INTERNAL	5 Credits	L1 Lit
AS 91281 (2.3)	Describe how cultural conflicts can be addressed	EXTERNAL	4 Credits	L1 Lit
AS 91282 (2.4)	Describe personal involvement in a social action related to rights and responsibilities	INTERNAL	5 Credits	L1 Lit
AS 91283 (2.5)	Describe a social action to enable communities and/or nations to meet responsibilities and exercise rights	INTERNAL	4 Credits	L1 Lit

## **SOCIAL STUDIES (SOS) – LEVEL 3**

<b>COURSE:</b>	<b>SOCIAL STUDIES LEVEL 3</b>
<b>QUALIFICATION:</b>	Up to 24 credits towards NCEA Level 3
<b>DESCRIPTION:</b>	Topics covered could include: Demonstrate understanding of ideological responses to an issue: This standard is resource based and in 2016 the resources related to ideological responses the issues of Social Media and ISIS Demonstrate understanding of how ideologies shape society: Neoliberalism in NZ.
<b>ASSESSMENT:</b>	16 credits internally assessed 8 credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Open

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91596 (3.1)	Demonstrate understanding of ideological responses to an issue	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91597 (3.2)	Conduct a critical social inquiry	INTERNAL	6 Credits	L1 Lit, R Lit
AS 91598 (3.3)	Demonstrate understanding of how ideologies shape society	EXTERNAL	4 Credits	L1 Lit, B Lit
AS 91599 (3.4)	Examine personal involvement in a social action(s) that aims to influence policy change(s)	INTERNAL	6 Credits	L1 Lit
AS 91600 (3.5)	Examine a campaign of social action(s) that aims to influence policy change(s)	INTERNAL	4 Credits	L1 Lit

## CAREERS PROGRAMME ALTERNATIVE SENIOR COURSE

### CAREERS (CAR)

There is a need to provide courses for non-academic students who wish to prepare themselves for the practical world of the workplace.

One of the main aims of this course is to send students to employers ready to work. All activity in the classroom is geared to this goal. This course is industry focused rather than an academic approach.

Throughout the year other courses from time to time will be offered through other providers for example Waiariki Institute of Technology. Mrs Hewitson co-ordinates these courses. Students are able to achieve credits for these courses.

<b>COURSE:</b>	<b>CAREERS - LEVELS 1, 2 AND 3</b>
<b>QUALIFICATION:</b>	Minimum 15 Credits towards NCEA
<b>DESCRIPTION:</b>	This course is designed for students who would like to gain valuable employment skills. A wide range of outside courses will be offered especially in Health & Safety
<b>ASSESSMENT:</b>	15 Credits internally assessed
<b>ENTRY</b>	Year 11 students by invitation only
<b>REQUIREMENTS:</b>	Year 12 / 13 students Course numbers are limited.

### YEAR 11

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
US 504	Produce a CV (Curriculum Vitae)	INTERNAL	2 Credits
US 526	Describe Community Services	INTERNAL	2 Credits
US 548	Demonstrate knowledge of management of alcohol and other drugs	INTERNAL	2 Credits
US 1293	Be interviewed in an informal/ one-to-one, face-to-face interview	INTERNAL	2 Credits
US 12350	Demonstrate Knowledge of Law Enforcement	INTERNAL	2 Credits
US 12358	Demonstrate of knowledge of purchasing household consumables	INTERNAL	3 Credits

### YEAR 12

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
US 12354	Describe implications of independent living, including renting and flatting	INTERNAL	4 Credits
US 12383	Explore career options relevant to an area of learning and explore their implications for oneself	INTERNAL	2 Credits
US 10781	Produce a plan for own future direction.	INTERNAL	2 Credits
US 7121	Demonstrate information search skills.	INTERNAL	2 Credits
US 7127	Exercise informed choice in deciding on a major goods or service purchase	INTERNAL	2 Credits
US 12352	Describe aspects of one internal lineage, heritage and cultural identity	INTERNAL	3 Credits

## **YEAR 13**

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>
US 6400	Manage first aid in emergency situations	INTERNAL	2 Credits Level 3
US 6401	Provide first aid	INTERNAL	1 Credit Level 2
US 6402	Provide resuscitation Level 2	INTERNAL	1 Credit Level 2
US 6400, 6401 and 6402 will complete a First Aid Certificate			
US 4251	Manage own career development.	INTERNAL	2 Credits Level 3
US 1304	Communicate with people from other cultures	INTERNAL	2 Credits Level 3
US 17593	Apply safe work practices in the workplace	INTERNAL	4 Credits Level 2
US 17602	Apply Hazard Identification and Risk assessment procedures in the workplace	INTERNAL	4 Credits Level 3
US 17284	Demonstrate knowledge of coffee origin and production	INTERNAL	3 Credits Level 3
US 17288	Prepare and present espresso beverages for service	INTERNAL	5 Credits Level 3

***Students in Year 11, 12 and 13 will have the opportunity to attend courses at both Waiariki Institute of Technology and private providers. All these courses will have Unit Standards attached e.g Barista, Automotive, Hairdressing.***

## **GATEWAY**

Senior students at John Paul College have the opportunity to participate in the Gateway Programme. The Gateway programme is designed for students who display a clear direction toward a specific career path. Students gain work experience, workplace training, and unit standard achievements which are related to industry.

Each student is required to gain a minimum of 20 credits throughout their placement. Whenever possible unit standards will be designed around each individual student and their specific place of work, and will also contribute towards their NCEA achievements. Students are also required to achieve NCEA requirements within school. If students are to move onto apprenticeships, polytechnic, and university NCEA requirements need to be kept up to date.

See Mr Casey or Mrs Hewitson

## TOURISM (TOU)

<b>COURSE:</b>	<b>TOURISM LEVELS 2 and 3</b>
<b>QUALIFICATION:</b>	Credits towards NCEA and National Certificate in Tourism and Travel
<b>DESCRIPTION:</b>	<p>This course introduces you to the tourism, travel and hospitality industries. Topics covered include:</p> <ul style="list-style-type: none"> <li>• Destinal tourism</li> <li>• General knowledge of New Zealand and other countries</li> <li>• Rotorua tourism</li> <li>• Communication, calculations and computing applications relevant to tourism and travel</li> </ul>
<b>ASSESSMENT:</b>	All units internally assessed
<b>ENTRY REQUIREMENTS</b>	<p>Students will have the opportunity to complete up to 20 credits</p> <p>Year 12 / 13 student. Course numbers are limited.</p> <p>Course is open entry</p>

### LEVEL 2

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
US 24724	Demonstrate knowledge of the history of tourism	INTERNAL	4 Credits
US 24727	Describe and compare impacts of tourism on the physical environment	INTERNAL	3 Credits
US 24728	Demonstrate knowledge of work roles in tourism	INTERNAL	3 Credits
US 24729	Demonstrate knowledge of world tourist destinations	INTERNAL	4 Credits
US 24730	Demonstrate knowledge of the business of tourism	INTERNAL	4 Credits
US 24731	Demonstrate knowledge of destination New Zealand	INTERNAL	4 Credits
US 24732	Demonstrate knowledge of tourist characteristics and needs	INTERNAL	3 Credits

### LEVEL 3

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
US 18211	Demonstrate knowledge of Australia as a tourist destination	INTERNAL	8 Credits
US 24733	Describe and promote a New Zealand tourist destination	INTERNAL	4 Credits
US 24725	Describe and analyse the economic significance of Tourism	INTERNAL	4 Credits
US 18212	Demonstrate knowledge of NZ as a tourist destination	INTERNAL	8 Credits

*Depending on ability Level Hospitality Unit Standards will be available to some students.*

## EARLY CHILDHOOD STUDIES (EAC)

<b>COURSE QUALIFICATION DESCRIPTION:</b>	<b>EARLY CHILDHOOD STUDIES NCEA LEVEL 3</b> Open Entry This course will be assessed to Level 3 Unit Standards and is designed for students who are planning a career in either the Early Childhood sector, Teaching or Nursing sectors. Topics include: Child development, community services, ethics, communication health, and well-being and an understanding of Te Whariki
<b>ASSESSMENT:</b>	This course is assessed to level 3 Unit Standards from the early Childhood sector of 18 Credits and leads on to a Diploma of ECHS

### NCEA Level 3

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
US10026	Demonstrate knowledge of the development and learning of children and its relevance to an ECE centre	INTERNAL	5 Credits
US26707	Describe the value of play and create resources for children's development	INTERNAL	6 Credits
US26709	Conduct an observation of a child in an ECE service	INTERNAL	3 Credits
US27146	Demonstrate knowledge of organisations relevant to ECE services in Aotearoa/New Zealand	INTERNAL	4 Credits

### TRADE ACADEMY: Years 11 / 12 / 13

Trade academies focus on delivering trades and technology programmes to secondary students based on partnerships between schools, tertiary institutions, industry training organisations and employers. Students in years 11 to 13, who are interested in a career in trades or technology are able to combine study at a trades academy with studies towards their National Certificate of Educational Achievement (NCEA) and a nationally transferable tertiary qualification Level 1, 2 or 3.

The purpose of a trades academy is to:

- motivate more students to stay engaged in learning and training by providing them with a greater number of options for study
- provide students with clear pathways post-school by giving them a head start on training for vocational qualifications and smooth access to employment
- improve the responsiveness of schools to business and economic needs.

John Paul College offers courses in Automotive, Mechanical Engineering, Cookery and Hospitality, Agriculture, Health Studies and Wood Manufacturing, Construction and Hair and Beauty. These are held at Waiariki and are one day per week. Courses have between 45 and 60 credits. Please see Mrs Hewitson for details

Students will have the opportunity to attend Trade Academy one day a week at Waiariki Institute of Technology.

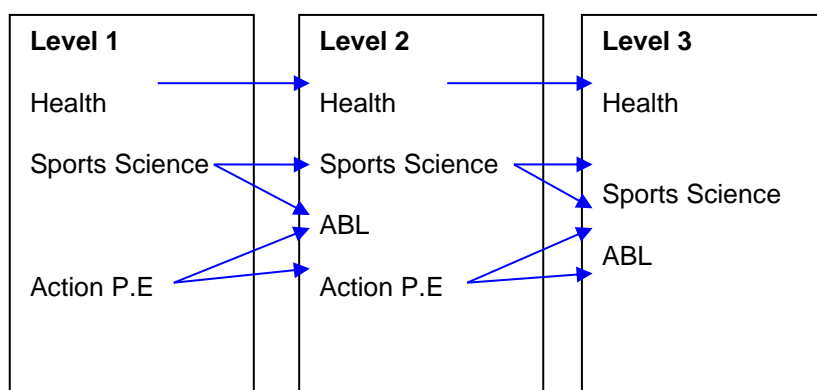
Courses are available in:

- Creative Industries
- Electronics
- Automotive Trades
- Mechanical Engineering
- Agriculture and Farm Maintenance
- Horticulture
- Early Childhood Education
- Healthcare
- Business Studies
- Cookery and Hospitality
- Hair and Beauty Services
- Health and Safety Leadership Courses

All courses have credits attached to them.

## HEALTH (HEA) AND PHYSICAL EDUCATION (PED)

In 2015 we are offering additional courses at Level 1 and Level 2 to better suit the needs and abilities of our students. The flow chart below will give possible pathways for the different course.



### HEALTH (HEA) – LEVEL 1

<b>COURSE:</b>	<b>HEALTH LEVEL 1</b>
<b>QUALIFICATION:</b>	19 Credits towards NCEA Level 1
<b>DESCRIPTION:</b>	The course aims to increase knowledge of how health enhancing skills and strategies assist in improving personal well-being and the well-being of others
<b>ASSESSMENT:</b>	15 Credits internally assessed 4 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Year 10 Physical Education and Health teacher recommendation and Faculty Head discretion

The programme will be constructed around the following achievement standards subject to reconsideration

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 90971 (1.1)	Take action to enhance an aspect of personal well being	INTERNAL	3 Credits	L1 Lit
AS 90972 (1.2)	Demonstrate understanding of influences on adolescent eating patterns by making health enhancing recommendations.	EXTERNAL	4 Credits	L1 Lit
AS 91097 (1.3)	Demonstrate understanding of ways in which wellbeing can change and strategies to support wellbeing during times of change	INTERNAL	4 Credits	L1 Lit
AS 90973 (1.4)	Demonstrate understanding of interpersonal skills used to enhance relationships.	INTERNAL	5 Credits	L1 Lit
AS 90974 (1.5)	Demonstrate understanding of strategies for promoting positive sexuality	INTERNAL	4 Credits	L1 Lit
AS 90975 (1.6)	Demonstrate understanding of issues to make health enhancing decisions in drug related situations	EXTERNAL	4 Credits	L1 Lit

## **HEALTH (HEA) – LEVEL 2**

<b>COURSE:</b>	<b>HEALTH LEVEL 2</b>
<b>QUALIFICATION:</b>	24 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	The course aims to increase knowledge of how health enhancing skills and strategies assist in improving personal wellbeing and the wellbeing of others
<b>ASSESSMENT:</b>	15 Credits internally assessed 3 Credits externally assessed
<b>ENTRY REQUIREMENTS:</b>	Physical Education and Health Faculty Head recommendation

The programme will be constructed around the following achievement standards subject to reconsideration

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91235	Analyse an adolescent health issue	INTERNAL	5 Credits	L1 Lit
AS 91236	Evaluate factors that influence people's ability to manage change	INTERNAL	5 Credits	L1 Lit
AS 91237	Take action to enhance an aspect of people's well-being within the school or wider community	INTERNAL	5 Credits	L1 Lit
AS 91238	Demonstrate understanding of interpersonal skills used to enhance relationships.	EXTERNAL	4 Credits	L1 Lit

## **SPORTS SCIENCE (SSC) – LEVEL 1**

<b>COURSE:</b>	<b>SPORTS SCIENCE LEVEL 1</b>
<b>QUALIFICATION:</b>	22 Credits towards NCEA Level 1
<b>DESCRIPTION:</b>	This is a course designed for developing knowledge and skills related to physical activity. Students undertake a course of study that has practical and theory based work. Students will: <ul style="list-style-type: none"><li>i. Gain knowledge and skills to enjoy a healthy lifestyle</li><li>ii. Develop interpersonal skills to work in a group/team</li><li>iii. Learn about how the body functions in and about movement</li></ul>
<b>ASSESSMENT:</b>	22 Credits internally assessed.
<b>ENTRY REQUIREMENTS:</b>	Year 10 Physical Education and Health teacher recommendation and at the discretion of the Faculty Head. The student must participate in a competitive sport within JPC. Purchase the SSC shirt for practicals

<b>ACHIEVEMENT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90962 (1.1)	Participate actively in a variety of physical activities and explain factors that influence own participation	INTERNAL	5 Credits	
AS 90963 (1.2)	Describe the function of the body as it relates to the performance of physical activity	INTERNAL	5 Credits	L1 Lit
AS 90964 (1.3)	Demonstrate quality movement in the performance of a physical activity	INTERNAL	3 Credits	
AS 90966 (1.5)	Demonstrate interpersonal skills in a group and explain how these skills impact on others	INTERNAL	4 Credits	L1 Lit
AS 90968 (1.7)	Demonstrate and show understanding of responsible behavior for safety during outdoor education activities	INTERNAL	3 Credits	L1 Lit
AS 90969 (1.8)	Take purposeful action to assist others to participate in physical activity	INTERNAL	2 Credits	

## **SPORTS SCIENCE (SSC) – LEVEL 2**

<b>COURSE:</b>	<b>SPORTS SCIENCE LEVEL 2</b>
<b>QUALIFICATION:</b>	23 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This course has a focus on increasing knowledge of the body systems and biomechanics, physical fitness and training methods, sociology of sports, risk management and skill performance.
<b>ASSESSMENT:</b>	All internally assessed.
<b>ENTRY REQUIREMENTS:</b>	<ul style="list-style-type: none"> <li>Achieved at least 3 Standards in Level 1 Sports Science</li> <li>On the recommendation of the Level 1 SSC teacher and Faculty Head discretion</li> <li>Average to above-average fitness levels required.</li> </ul>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS
AS 91331 (2.5A)	Examine the significance of a physical activity for yourself, others and society.	INTERNAL	4 Credits
AS 91328 (2.2A)	Apply knowledge of anatomy, biomechanical principles, skill learning and sports psychology to learning a sports skill	INTERNAL	5 Credits
AS 91329 (2.3B)	Develop and evaluate a training programme showing understanding of training principles	INTERNAL	4 Credits
AS 91330 (2.4B)	Perform a Physical Activity in an Applied Setting	INTERNAL	4 Credits
AS 91333 (2.7A)	Participate in an outdoor activity and apply risk management strategies.	INTERNAL	3 Credits
A AS 91334 A.S (2.8B)	Demonstrate social responsibility in physical activity	INTERNAL	3 Credits

## **SPORTS SCIENCE (SSC) – LEVEL 3**

<b>COURSE:</b>	<b>SPORTS SCIENCE LEVEL 3</b>
<b>QUALIFICATION:</b>	19 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This course is designed for students who have an interest in Physical Education and Recreation. The programme includes both practical and theory-related aspects of physical activity. Its focus is on the applying of knowledge and the review and evaluation of that knowledge. This course maybe started at level 3 without having done the Level 2 course with evidence of sporting ability and academic achievement.
<b>ASSESSMENT:</b>	19 Credits internally assessed.
<b>ENTRY REQUIREMENTS:</b>	A Merit pass in Physical Education AS 91328 (2.2B) " <i>Move to Improve</i> " <b>AND</b> AS 91329 (2.3B) " <i>Improve Well-being, Improving Performance</i> " <ul style="list-style-type: none"> <li>Physical Education Year 12 NCEA Level 2 teacher and HoF discretion</li> <li>Average to above average fitness and skill levels</li> <li>Must participate in a competitive sport within JPC</li> <li>Purchase the SSC shirt for practicals</li> </ul>

ACHIEVEMENT/ UNIT STANDARD	DESCRIPTION	INTERNAL/ EXTERNAL ASSESSMENT	NO. OF CREDITS	LITERACY & NUMERACY CREDITS
AS 91447 (3.1)	Evaluate physical activity experiences to devise strategies for lifelong well-being	INTERNAL	4 Credits	L1 Lit, Num
AS 91499 (3.2)	Analyse a physical skill performed by self or others	INTERNAL	3 Credits	L1 Lit
AS 91500 (3.3)	Evaluate effectiveness of a performance improvement programme	INTERNAL	4 Credits	L1 Lit, Num
AS 91501 (3.4)	Demonstrate quality performance of a physical activity in an applied setting	INTERNAL	4 Credits	Num
AS 91502 (3.5)	Examine a current physical activity, event, trend or issue impacting on NZ society.	INTERNAL	4 Credits	L1 Lit, R Lit



## **ACTIVITY BASED LEARNING (ABL) – LEVEL 2**

<b>COURSE:</b>	<b>ACTIVITY BASED LEARNING LEVEL 2</b>
<b>QUALIFICATION:</b>	28 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	This course offers students the opportunities to: Experience a range of outdoor activities and develop skills in multiple disciplines. Develop personal, interpersonal skills and confidence in various outdoor settings.
<b>ASSESSMENT:</b>	3 Level 1 Credits internally assessed. 30 Level 2 Credits internally assessed.
<b>ENTRY REQUIREMENTS:</b>	<b><i>There will be an additional fee over and above the contribution fee.</i></b> Students need to be aware there is an element of risk involved with outdoor recreation. There are activities that involve out of school hours, including an overnight and weekend camps.

The following Unit Standards may be offered but course will be adapted to class and availability of providers.

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>
US 425	Experience day tramps	INTERNAL	3 Credits
US 426	Prepare for camping, establish campsites, experience camp living, and leave campsites with minimal impact on the environment.	INTERNAL	3 Credits
US 431	Navigate in good visibility on land.	INTERNAL	3 Credits
US 444	Demonstrate basic rock climbing Movement	INTERNAL	1 Credit
US 457	Mountain bike on intermediate to expert terrain	INTERNAL	2 Credits
US 467	Demonstrate personal and social development through participation in adventure based learning	INTERNAL	3 Credits
US 470	Demonstrate personal and social development through participation in low rope course activities	INTERNAL	3 Credits
US 473	Demonstrate personal and social development through participation in high ropes course activities	INTERNAL	3 Credits
US 20138	Select, set up and maintain a mountain or cycle touring bike	INTERNAL	3 Credits
US 20141	Complete beginner orienteering	INTERNAL	1 Credit
US 20152	Experience and complete abseiling sessions	INTERNAL	1 Credit
US 20157	Demonstrate the use of basic rope systems for top rope climbing and abseiling	INTERNAL	3 Credits
US 20159	Gather and apply weather information to an outdoors recreation activity	INTERNAL	2 Credits
US 20210	Experience rock climbing	INTERNAL	1 Credit

### **ACTIVITY BASED LEARNING (ABL) – LEVEL 3**

<b>COURSE:</b>	<b>ACTIVITY BASED LEARNING LEVEL 3</b>
<b>QUALIFICATION:</b>	45 Credits towards NCEA Level 3
<b>DESCRIPTION:</b>	This course offers students the opportunities to experience activity based learning skills in a variety of outdoor related activities such as rock climbing, tramping, and mountaineering. Students will be able to develop personal, interpersonal skills and confidence as well as working towards industry-based unit standards.
<b>ASSESSMENT:</b>	Level 3 35 Credits internally assessed. Level 2 13 Credits internally assessed
<b>ENTRY REQUIREMENTS:</b>	<b><i>There will be an additional fee over and above the contribution fee.</i></b> Students need to be aware there is an element of risk involved with outdoor recreation. There are activities that involve out of school hours, including an overnight and weekend camps.

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>
US 428	Demonstrate on – track tramping skills for multi-night tramping	INTERNAL	14 Credits
US 431	Navigate in good visibility on land	INTERNAL	3 Credits
US 438	Participate in building and camping overnight in a snow shelter	INTERNAL	2 Credits
US 439	Demonstrate overnight expedition skills in a mountain environment	INTERNAL	8 Credits
US 18132	Demonstrate basic movement skills and the use of ice axe and crampons	INTERNAL	2 Credits
US 20138	Select, set up and maintain a mountain or cycle touring bike	INTERNAL	2 Credits
US 20150	Demonstrate rock climbing skills on natural rock	INTERNAL	5 Credits
US 20159	Access and compare weather information for outdoor recreation	INTERNAL	1 Credit
US 20817	Plan for, participate in and evaluate mountain bike rides on intermediate to expert terrain	INTERNAL	3 Credits
US 26243	Demonstrate abseiling knowledge and skills	INTERNAL	5 Credits

## **ACTION PHYSICAL EDUCATION (APE) LEVEL 1**

<b>COURSE:</b>	<b>ACTION P.E LEVEL 1</b>
<b>QUALIFICATION:</b>	16 Credits towards NCEA Level 1
<b>DESCRIPTION:</b>	A predominantly practical-based course focusing on physical skills in a variety of in-school and Outdoor Education activities.
<b>ASSESSMENT:</b>	16 Credits internally assessed.
<b>ENTRY REQUIREMENTS:</b>	Completion of Year 10 Health Units to a required standard. Average to above average fitness and skill levels. Responsible and appropriate behaviours expected in the outdoor setting. Purchase APE shirt.

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 90962 (1.1)	Participate actively in a variety of physical activities and explain factors that influence own participation	INTERNAL	5 Credits	
AS 90964 (1.3)	Demonstrate quality movement in the performance of a physical activity	INTERNAL	3 Credits	
AS 90967 (1.6)	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes.	INTERNAL	3 Credits	L1 Lit
AS 90968 (1.7)	Demonstrate and show understanding of responsible behavior for safety during outdoor education activities	INTERNAL	3 Credits	L1 Lit
AS 90969 (1.8)	Take purposeful action to assist others to participate in physical activity	INTERNAL	2 Credits	

## **ACTION PHYSICAL EDUCATION (APE) LEVEL 2**

<b>COURSE:</b>	<b>ACTION P.E LEVEL 2</b>
<b>QUALIFICATION:</b>	13 Credits towards NCEA Level 2
<b>DESCRIPTION:</b>	A predominantly practical-based course focusing on physical skills in a variety of in-school and Outdoor Education activities.
<b>ASSESSMENT:</b>	13 Credits internally assessed.
<b>ENTRY REQUIREMENTS:</b>	Recommendation and discretion of Level 1 Physical Education teacher and Head of Faculty of Health and Physical Education. Average to above-average fitness and skill levels. Reasonable and appropriate behaviours in an outdoor setting. Purchase APE shirt

<b>ACHIEVEMENT/ UNIT STANDARD</b>	<b>DESCRIPTION</b>	<b>INTERNAL/ EXTERNAL ASSESSMENT</b>	<b>NO. OF CREDITS</b>	<b>LITERACY &amp; NUMERACY CREDITS</b>
AS 91330 (2.4A)	Perform a physical activity in an applied setting	INTERNAL	4 Credits	
AS91333 (2.7A)	Analyse the application of risk management strategies to a challenging outdoor activity	INTERNAL	3 Credits	L1 Lit
AS 91334 (2.8A)	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	INTERNAL	3 Credits	
AS 91335 (2.9)	Implementation and outcome of a physical activity, event or opportunity.	INTERNAL	3 Credits	

## **PHOTOGRAPHY – UNIVERSITY COURSES**

**University Entrance** All students are required to have passed NCEA Level 3 Art/Photography/Design/DVC/Sculpture or Painting. They will then need to provide a portfolio of creative work and a written statement.

**Photography is an Endorsed Subject:** Therefore students can use 14 credits in this subject at Level 3 to gain access to courses at universities that do not necessarily involve Photography.

Photography, like Painting at Level 3, is a University approved subject. The following table illustrates some of the tertiary organisations that provide courses in Visual Art.

<b>UNIVERSITY/ POLYTECHNIC</b>	<b>DEGREE</b>	<b>CAREER OPPORTUNITIES</b>	<b>CONTACT DETAILS</b>
Massey University College of Creative Arts	Bachelor of Design	Graduates will have the ability to incorporate and examine discipline-specific knowledge alongside multidisciplinary practices, and the application of research to the production of contemporary art and photographic design.	Massey University PO Box 756, Wellington 6140, T +64 4 801 5799 F +64 4801 2799 <a href="http://creative.massey.ac.nz">http://creative.massey.ac.nz</a> <a href="mailto:creative@massey.ac.nz">creative@massey.ac.nz</a>
University of Waikato Te Whare Wānanga o Waikato	Bachelor of Computer Graphic Design (BCGD)	3D Modeller, Web Designer, Advertising Designer Visual Effects Artist, TV Graphics Designer Motion Graphics Designer, Animator Interactive Designer, Computer Games Designer, Computer Illustrator	Phone: +64 7 856 2889 Automated: +64 7 838 4466 Course enquiries: 0800 WAIKATO <a href="mailto:info@waikato.ac.nz">info@waikato.ac.nz</a>
University of Canterbury	Bachelor of Fine Arts <i>BFA</i>	Artist Art gallery manager, Curator, Conservation assistant, Graphic designer, Film director, Illustrator, Secondary school teacher, Arts administrator, Photographer	University of Canterbury Private Bag 4800 Christchurch 8140: (03) 366 7001 <a href="mailto:jan.saville@canterbury.ac.nz">jan.saville@canterbury.ac.nz</a> <a href="mailto:info@canterbury.ac.nz">info@canterbury.ac.nz</a>
Wintec Waikato institute of technology	Bachelor of Media Arts (Visual Arts)	Employment as an Art Director, Art Educator, Cinematographer, Designer, Editorial Photographer, Environmental Designer, Exhibition Designer, Film Producer, Filmmaker, Freelance Photographer, Graphic Designer, Illustrator, Photojournalist, Presenter (radio and television), Public Artist, Studio Artist or Web Designer	Wintec 800 2 Wintec 0800 294 6832 City Campus, A Block, Gate 3 Tristram Street, Hamilton <a href="mailto:graeme.thomas@wintec.ac.nz">graeme.thomas@wintec.ac.nz</a> <a href="http://www.wintec.ac.nz">http://www.wintec.ac.nz</a>
Whitecliffe College of Arts and Design	Bachelor of Fine Arts	The programme's philosophy is to combine creative research skills with solid awareness of the public and professional requirements of visual arts professions.	Whitecliffe College of Arts & Design PO Box 8192 Symonds Street Auckland, New Zealand +64 9 309 5970
The University of Auckland	Bachelor of Fine Arts (BFA)	With a BFA or BFA(Hons) from Elam you could become an artist, art educator, creative director in an agency, film director, arts writer, art critic, animator, exhibition designer, art curator, art gallery director or set designer. <b>Elam School of Fine Arts</b>	<b>University of Auckland</b> Level 2, Building 421 26 Symonds St Auckland 0800 61 62 63 Main Fine Arts Building 431 Level 4, 20 Whitaker Place, Auckland Phone: +64 9 373 7599, ext 88000

## **VISUAL ARTS & PAINTING – UNIVERSITY COURSES**

<b>UNIVERSITY/ POLYTECHNIC</b>	<b>COURSES</b>	<b>CAREER OPPORTUNITIES</b>	<b>CONTACT DETAILS</b>
Animation College	Diploma of Applied Animation	Animation, storyboard artist, illustrator, film maker, game artist or app developer	<a href="http://www.animationcollege.co.nz">www.animationcollege.co.nz</a>
ACG YOOBEE	Degree Pathways	Graphic Design and Animation	<a href="mailto:auckland@yoobee.ac.nz">auckland@yoobee.ac.nz</a>
AUT University	Digital Design  Fashion and Textiles  Graphic Design  Degree: Bachelor of Visual Arts	Animation, moving image, gaming, web, post production, film Knit, print, textile, fashion and costume design, film industry Typography, illustration, animation, short film, photography and graphic novels Contemporary artist	<a href="http://www.aut.ac.nz">www.aut.ac.nz</a>
D&A Design and Arts College of New Zealand	Bachelor of Fine Arts	Exhibiting artist, art critic, textile artist, exhibition technician, art educator, set or costume designer for film and television	<a href="http://www.dac.ac.nz">www.dac.ac.nz</a>
Massey University- College of Creative Arts		International study tours,	<a href="http://www.creative.massey.ac.nz">www.creative.massey.ac.nz</a>
South seas Film, Television and Animation School	Diploma in Animation	Character animators, Artists for films, gaming	<a href="http://www.southseas.co.nz">www.southseas.co.nz</a>
University of Canterbury	Bachelor of Fine Arts	Artist, Art gallery manager, Curator, Conservation assistant, Graphic designer, Film director, Illustrator, Secondary school Art and Design teacher, Arts administrator, Photographer	<a href="http://www.canterbury.ac.nz">www.canterbury.ac.nz</a>
Wintec: Waikato Institute of Technology	<a href="#">Certificate in Media Arts</a>	Media arts, Journalism, Art, Drawing, Design, Graphic design, Public relations, Advertising, Moving image, Video, Film, Fashion design, Digital design, Web design, Visual arts, Animation, Television	<a href="http://www.wintec.ac.nz">www.wintec.ac.nz</a>
Whitecliffe College of Arts and Design	Bachelor of Fine Arts	The four majors offered are Fine Arts, Fashion Design, Graphic Design, and Photo Media	<a href="http://www.whitecliffe.ac.nz">www.whitecliffe.ac.nz</a>

## DRAMA - UNIVERSITY COURSES

University/Polytechnic		Contact Details	
University/Polytechnic	Degree/Qualification	Telephone	Email
Toi Whakaari	Bachelor of Performing Arts	04 3819251	<a href="mailto:drama@toiwhakaari.ac.nz">drama@toiwhakaari.ac.nz</a>
The National Academy of Singing & Dramatic Arts (NASDA)	Bachelor of Performing Arts	03 9408695 0800 24 24 76	<a href="mailto:info@nasda.co.nz">info@nasda.co.nz</a>
New Zealand Broadcasting School	<ul style="list-style-type: none"> <li>• Radio Broadcasting</li> <li>• Broadcast Journalism</li> <li>• Film &amp; Television Production</li> <li>• Post Production</li> </ul>	0800 24 24 76	<a href="mailto:info@cpit.zc.nz">info@cpit.zc.nz</a>
Unitec Performing Arts	Bachelor of Performing Arts	0800 10 95 10	<a href="mailto:study@unitec.zc.nz">study@unitec.zc.nz</a>
University of Canterbury	Bachelor of Arts	03 3642184	<a href="mailto:Sharon.mazer@canterbury.ac.nz">Sharon.mazer@canterbury.ac.nz</a>
University of Auckland	Bachelor of Arts	0800 61 62 63	<a href="mailto:asc@auckland.ac.nz">asc@auckland.ac.nz</a>
University of Waikato	Bachelor of Arts	07 8384380	<a href="mailto:wfass@waikato.ac.nz">wfass@waikato.ac.nz</a>
University of Wellington	Bachelor of Arts	04 463574	<a href="mailto:fhss-enquiries@vuw.ac.nz">fhss-enquiries@vuw.ac.nz</a>

A tertiary qualification in Drama can lead to many exciting careers, *some* of which are listed below:

Local councils	Event Management	Professional Theatre Companies
journalism	Communications/Marketing	Professional writing
Education	Freelance entertainer	Portfolio careers
Radio/Television	Art Galleries	Drama Schools
Broadcasting Schools	Advertising	Universities
Ministry of Culture and Heritage	Creative New Zealand	

## MUSIC – UNIVERSITY COURSES

		Contact Details	
University/Polytechnic	Degree/Qualification	Telephone	Email
Otago University	Bachelor of Music (BMus)	0800 80 80 98	university@otago.ac.nz
The University of Auckland	Bachelor of Arts (BA)	0800 61 62 63	asc@auckland.ac.nz
New Zealand School of Music	Bachelor of Music (BMus) in: <ul style="list-style-type: none"> <li>Classical performance</li> <li>Composition</li> <li>Jazz</li> <li>Music Studies</li> <li>Music Therapy</li> </ul>	04 463 5369	music@nzsm.ac.nz
University of Canterbury	Bachelor of Music (BMus) Bachelor of Arts (BA)	03 364 2183	hubert.klaassens@canterbury.ac.nz
Victoria University	Bachelor of Arts (BA) <ul style="list-style-type: none"> <li>Classical performance</li> <li>Composition</li> <li>Jazz Performance</li> <li>Music Studies</li> </ul>	04 463 5745	fhss-enquiries@vuw.ac.nz
University of Waikato	Bachelor of Music (BMus) Bachelor of Arts (BA) in: <ul style="list-style-type: none"> <li>Performance</li> <li>Composition</li> <li>Western Music History</li> <li>Electroacoustic Music</li> <li>Maori Music</li> </ul>	07 838 4380	music@waikato.ac.nz
Bay of Plenty Polytechnic	Diploma Music Production and Performance	07 571 0190	info@boppoly.ac.nz

**PLEASE NOTE:** *Music is a university approved subject.* Therefore students can use 14 credits in this subject at Level 3 to gain access to courses at Universities that do not necessarily involve Music.

## DANCE – UNIVERSITY COURSES

		Contact Details	
University/ Polytechnic	Degree	Telephone	Email
Auckland University of Technology	Bachelor of Dance	0800 288864	www.aut.ac.nz
New Zealand School of Dance	Dance Certificate in Dance Performance Dance Diploma in Dance Performance	04 381 9252	dance@nzschooldofdance.ac.nz
University of Auckland	Bachelor of Dance Studies	0800 61 62 63	studentinfo@auckland.ac.nz
East Auckland Performing Arts Ltd	Diploma in Teaching Dance Diploma in Dance and Theatre Arts	09 576 0061	Lizdance@ihug.co.nz
Whitireia New Zealand Ltd	Diploma in Performing Arts	04 237 3100	Info @whitireia.ac.nz
Unitec	Bachelor of Performing and Screen Arts (Contemporary Dance)	0800 10 95 10	study@unitec.ac.nz
Waikato University	Bachelor of Sport and Leisure Studies Bachelor of Dance Majoring in Dance	0800 924 528	info@waikato.ac.nz
Otago University	Bachelor of Arts Majoring in Performing Arts Studies Bachelor of Physical Education in Dance	03 4791100	University@otago.ac.nz
NASDA – National Academy of Singing and Dramatic Arts	Bachelor of Performing Arts	0800 24 24 76	info@nasda.co.nz

**PLEASE NOTE:** *Dance is a university approved subject.* Therefore students can use 14 credits in this subject at Level 3 to gain access to courses at Universities that do not necessarily involve Dance.

## CAREER COURSE CHOICE GUIDE

- \* Entry into many careers is not as dependent on course choice as it is on grades.
- \* There are many hundreds of careers not on this list, but this details areas often enquired about.
- \* For the career areas listed below the courses are highly recommended, in some cases compulsory.
- \* You are advised to see the Careers counsellor if you are not sure.
- \* Senior students should enquire about credits required for entry to specific courses, as these can vary from year to year. A useful website is [www.careers.govt.nz](http://www.careers.govt.nz).

CAREER AREA	COURSES – YEAR LEVEL		
	11	12	13
<b>APPRENTICESHIPS</b> Many, including Auto Mechanics, Electricians and Carpenters	English Mathematics Science	Mathematics (recommended)	
<b>ARMED FORCES TRADES</b> Various	English Mathematics Science	Reasonable grades required	
<b>ARCHITECTURE*</b>	Mathematics Science Art and/or Graphics	Mathematics Art and/or Graphics University of Auckland A combination of Arts and Sciences recommended.	<u>Victoria University</u> Selection from Intermediate year. Maths with Calculus and Physics are recommended.
		Portfolio of artwork is usually required for applications	
<b>COMMERCE DEGREE*</b> Accounting and Economics provide a good preparation for BCA Courses but are not essential as these subjects are taught from introductory level	Mathematics  Recommended Accounting Economics	Mathematics – Statistics & modelling highly recommended  Essay-based subjects are also useful	Mathematics Statistics (Mathematics Calculus if majoring in Economics)  Essay-based subjects are also useful
<b>COMMERCE/BUSINESS CERTIFICATES &amp; DIPLOMAS</b>	Mathematics	Mathematics – or Alt. Mathematics	
<b>COMPUTING / I.T DEGREE</b>	Mathematics Digital Technologies	Mathematics Digital Technologies	Mathematics Calculus Physics ( <i>both recommended</i> ) Digital Technologies
<b>DESIGN</b> (Degree and Diploma entry requirements state drawing skills are very important)	Art Subjects in the creative area of art, design & graphics are desirable	Art Subjects in the creative area of art, design & graphics are desirable	2 Practical Art subjects Portfolio often required
<b>ENGINEERING</b> NZ Diploma in Engineering Technician's Training	Mathematics Science	Mathematics Physics	Mathematics Calculus Mathematics Statistics Modelling Physics
<b>ENGINEERING DEGREE*</b> <u>University of Auckland</u> English language selection criterion – Level 2 Ask Careers Counsellor <u>AUT</u> Diploma and Degree	Mathematics Science  Mathematics Science	English Mathematics Chemistry Physics  Mathematics Physics	Mathematics Calculus Chemistry Physics  Physics Mathematics Calculus



CAREER AREA	COURSES – YEAR LEVEL		
	11	12	13
<b>FINE ARTS</b> Elam (University of Auckland)	Art	Art	Min.2 Level 3 Practical Art subjects. History of Art recommended.
Ilam (Canterbury University)	Art	Art	Portfolio required. Min. 2 Level 3 Practical Art
<b>FOOD SCIENCE/ TECHNOLOGY</b>	English Mathematics Science	English Mathematics Biology Chemistry Physics	Mathematics Statistics Biology Chemistry
<b>FORESTRY</b>	English Mathematics Science	No set requirements but English, Chemistry, Biology, Economics, Geography, Mathematics with Statistics are all recommended.	
<b>LAW *</b> (High Credit total for Auckland University)	Any	Any	Any. English and History highly recommended.
<b>MEDICINE / DENTISTRY / PHARMACY</b> <u>Auckland</u> Students must take one of the following courses for Level 3 – Classical Studies, English, Geography, History, History of Art, Maori	A recommended course could include Chemistry, Biology, Physics, Stats and one of the courses listed on left. Open entry into Bio Medical Science Programme. Students will then be selected for 2 <sup>nd</sup> year.		
<b>MEDICINE / DENTISTRY/ PHARMACY</b> <u>Otago</u> These courses are recommended although not compulsory. English is compulsory in Health Sciences	Mathematics Science	Biology Chemistry Mathematics Physics English	Biology Chemistry Mathematics Statistics Physics English
	Open entry 1 <sup>st</sup> year. Students selected into 2 <sup>nd</sup> year.		
<b>MEDICAL, LABORATORY SCIENCE</b>	Mathematics Science	Biology Chemistry Mathematics Physics	Biology Chemistry Mathematics Statistics Physics English
<b>MEDICAL IMAGING</b> (Radiography)		Physics Mathematics	Physics Mathematics Statistics
<b>NURSING</b> <u>AUT</u> <u>University of Auckland *</u>	Biology or Science Science, English & Mathematics recommended	Biology or another Science Science, English & Mathematics recommended	Biology or another Science  Science, English & Mathematics recommended
<b>OCCUPATIONAL THERAPY</b>	Science Mathematics	Two of Biology Chemistry Physics Mathematics	English, plus two of Biology, Chemistry, Physics, Mathematics
<b>Optometry *</b>	English Mathematics Science	Mathematics Chemistry Biology Physics	Mathematics Calculus Mathematics Statistics Chemistry Biology Physics
<b>PHYSIOTHERAPY *</b> <u>Auckland</u>  <u>Otago</u>	Mathematics Science  Sciences, English and Mathematics recommended	Some Science highly advisable  Sciences, English and Mathematics recommended	Strong Level 3 needed Chemistry and Biology highly recommended Sciences, English and Mathematics recommended

CAREER AREA	COURSES – YEAR LEVEL		
	11	12	13
<b>PHYSICAL EDUCATION (P.E) DEGREE *</b>	Science Mathematics	Biology	English Biology P. E highly recommended
<b>PILOT</b> <u>Airforce Training</u>	Mathematics Science	Mathematics Physics or Chemistry (High level required)	Mathematics Calculus Physics
<u>Private Training</u>	Any	Any	Any
<b>POLICE</b>	Any	English, Level 2	Any
<b>SURVEYING</b>	Mathematics Science	Mathematics Physics Computing	Mathematics Calculus Mathematics Statistics Physics

**Please check with the Careers Advisor, Mrs Hewitson, regarding your career choice.**  
***As you will be aware from the media reports, entry to university is undergoing a number of changes.***  
***Students will be kept fully informed.***