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# STUDENT COURSE INFORMATION



## **NCEA Level 3** 2016 *for* 2017

English	The Arts	Health & Physical Education	Learning Languages	Mathematics & Science	Science	Social Sciences	Technology



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# WELCOME

## *Dear Parents and Students*

This document contains information on all subjects offered at Longburn Adventist College for NCEA Level 3, 2017. Information provided will assist you in helping your child to make informed choices about the pathway they need to take towards their career choice.

This information can be used to make informed choices about the Level 3 subjects that are offered. Students may use the information in the Level 1 and 2 books to tailor an individual programme to support their NCEA achievement. Of these 6 subjects, 1 of them is a Core subject at LAC for Year 13 which is Religious Studies. The other **five subjects** are chosen by the students from a range of options. Students are required to select 7 subjects in order of preference for development of the timetable.

Good subject choices will be made if students consult with parents/caregivers and teachers. Student's subject choices will initially be collected. This information will help the school work out a timetable. It is important that subject choices are made carefully.

While the information in this booklet is accurate at the time of going to print, reviews by NZQA or subject teachers may result in some changes to the Achievement or Unit Standards offered for a subject. Students are notified of the assessment programme for a subject at the beginning of term one in the new year.

If you require further help, please contact the LAC Curriculum Team.

We hope that this information may start you thinking about the various options available to you.

LAC Curriculum Team

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# PLANNING A COURSE FOR NCEA LEVEL 3

## **1. Your Compulsory Subjects:**

- Religious Studies

## **2. Choose 7 Option Subjects in order of preference from:**

- Biology
- Chemistry
- Computing
- English
- Geography
- Home Economics
- Media Studies
- Photography
- Physics
- Visual Art
- Building Construction
- Classical Studies
- Drama
- Economics
- History
- Mathematics
- Music
- Physical Education
- Tourism

## **3. Fill in Your Option Choice Form:**

This will be done in class over the coming weeks

## **4. Important School Policies for NCEA at LAC**

Please refer to your Student Diary for the NCEA Policies at LAC. In general LAC subject areas do not provide an opportunity for resubmission of internal achievement standards. You need to be aware of the Policies for Authenticity, Reassessment, Appeals, Absences and Lateness, Compassionate consideration and checking records of your results.

## **5. Not all courses offered will run.**

It will depend on the number of students selecting the course and the availability of staffing.

Select courses carefully as it may be difficult to change courses at a later time.

## **6. If in doubt, contact the curriculum team or relevant HOD**

Please note that the entry requirements listed for subjects are to provide students guidance for subject selection. These requirements will help students to understand prior learning that will enable the best possibility for success. If you have any questions regarding this, please contact the curriculum team or the relevant HOD.



# Level 3 Biology

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education.

## Entry Requirement:

Level 2 Biology including 1 Biology external

## Course Description:

*In Biology, students will:*

Understand the relationship between organisms and the environment.

Explore the evolutionary processes that have resulted in the diversity of life on Earth and appreciate the place and impact of humans within these processes.

Understand how humans manipulate the transfer of genetic information from one generation to the next and make informed judgments about the social, ethical, and biological implications relating to this manipulation.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91601	1	3	4	Lit / Num	Carry out a practical investigation in a biological context, with guidance	Internal
AS 91602	1	3	3	Lit Read / Write	Integrate biological knowledge to develop an informed response to a socio-scientific issue	Internal
AS 91603	1	3	5	Lit Read / Write	Demonstrate understanding of the responses of plants and animals to their external environment	External
AS 91604	1	3	3	Lit Read	Demonstrate understanding of how an animal maintains a stable internal environment	Internal
AS 91605	1	3	4	Lit Read / Write	Demonstrate understanding of evolutionary processes leading to speciation	External
AS 91606	1	3	4	Lit Read / Write	Demonstrate understanding of trends in human evolution	External
AS 91607	1	3	3	Lit Read	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	Internal
<b>Total Credits offered</b>						<b>16-24</b>

# Level 3 Building Construction

## Qualification:

Building Construction Level 3

## Entry Requirement:

None, but students find it easier if they have taken Woodwork or Building Construction in the previous year

## Course Description:

The “BConstructive” course is designed as a progressive pathway for students wanting to integrate into a wide range of trade related occupations when they leave school, but not limited to these students. It is mostly a practical based course in the workshop.

The course is a total of 20 credits, which must be gained to achieve the certificate. These credits will be offered in Woodwork shop and theory work.

## The following Unit Standards will be offered:

US No.	Level	No. of Projects	Name	Credits
US 12997	3	1	Demonstrate knowledge of safe working practices on construction sites	3
US 12998	3	1	Demonstrate knowledge of carpentry hand tools	4
US 12999	3	1	Demonstrate knowledge of timber machining equipment used on construction sites	3
US 13000	3	1	Demonstrate knowledge of portable power tools used on construction sites	4
US 13002	3	1	Demonstrate knowledge of timber used in construction	2
US 24378	3	1	Perform building calculations	4
<b>Total Credits offered</b>				<b>20</b>

# Level 3 Chemistry

## Qualification:

NCEA Level 3 Achievement Standards – This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

Level 2 Chemistry including 1 Chemistry external

## Course Description:

*In Chemistry, students will:*

Investigate and measure the chemical and physical properties of a range of groups of substances, for example, acids and bases, oxidants and reductants, and selected organic and inorganic compounds.

Relate properties of matter to structure and bonding

Develop an understanding of and use the fundamental concepts of chemistry (for example, equilibrium and thermochemical principles) to interpret observations.

Apply knowledge of chemistry to explain aspects of the natural world and how chemistry is used in society to meet needs, resolve issues, and develop new technologies.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91387	1	3	4	Lit Write Num	Carry out an investigation in chemistry involving quantitative analysis	Internal
AS 91388	1	3	3	-	Demonstrate understanding of spectroscopic data in Chemistry	Internal
AS 91389	1	3	3	Lit Read / Write Num	Demonstrate understanding of chemical processes in the world around us	Internal
AS 91390	1	3	5	Num	Demonstrate understanding of thermochemical principles and the properties of particles and substances	External
AS 91391	1	3	5	Num	Demonstrate understanding of the properties of organic compounds	External
AS 91392	1	3	5	Lit / Num	Demonstrate understanding of equilibrium principles in aqueous systems	External
AS 91393	1	3	3	Lit	Demonstrate understanding of oxidation-reduction processes	Internal
<b>Total Credits offered</b>						<b>16-24</b>



# Level 3 Classical Studies

## Qualification:

NCEA Level 3 Achievement Standards – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement

## Entry Requirement:

Students need to have successfully completed any of the following externals: English standards 2.1 (AS 91098), 2.2 (AS 91099), History standards 2.5 (AS 91233) or 2.6 (AS 91234)

## Course Description:

To understand ourselves, and our place in a bicultural society, we need to know about the societies that have laid the foundations for the world in which we live. Classical studies is the study of the people, places, and events of the classical world and how they influence the modern world. It is an interdisciplinary subject: students engage with literature, languages, art, history, science, technology, religion, and philosophy. Students explore community, cultural identity, values, and perspectives and think critically about human behaviour and relationships to appreciate the civilisations of ancient Greece and Rome, understand the past and the present, and to imagine possible futures.

## Unit Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91394	1	3	4	Lit Read / Write	Analyse ideas and values of the classical world	External
AS 91395	1	3	4	Lit Read / Write	Analyse ideas and values of the classical world	External
AS 91396	1	3	6	Lit Read / Write	Analyse the impact of a significant historical figure on the classical world	External
AS 91397	1	3	6	Lit Read	Demonstrate understanding of significant ideology(ies) in the classical world	Internal
AS 91398	1	3	6	Lit Read	Demonstrate understanding of the lasting influences of the classical world on other cultures across time	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 3 Computing

## Qualification:

NCEA Level 3 Computing; contributes to the National Certificate in Computing Level 3

## Entry Requirement:

Open Entry

## Course Description:

This subject introduces student to the topic of computing and teaches them the skills to participate in an Information Technology society. It also teaches them valuable and essential skills that can be transferred to many other fields of learning.

## Unit Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
US 108	7	3	5	-	Apply text processing skills to produce business documents	Internal
US 112	7a	3	5	-	Produce business or organisational information using word processing functions	Internal
US 112	7b	3	5	-	Produce business or organisational information using word processing functions	Internal
US 2785	8	3	5	-	Create a computer spreadsheet to provide a solution for organisation use	Internal
US 2787	7	3	6	-	Create and use a computer database to provide a solution for organisation use	Internal
US 2789	7	3	6	-	Produce desktop published documents for organisational use	Internal
US 2797	7	3	4	-	Demonstrate knowledge of the principles of computer networks	Internal
US 5968	7	3	3	-	Discuss the social implications of information technology	Internal
US 12887	7	3	6	-	Integrate text & images & manage multiple files for generic text & info management	Internal
<b>Total Credits offered</b>						<b>16-24</b>

# Level 3 Drama

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

Level 1 Literacy as well as consultation with the HOD Arts and Drama Teacher

## Course Description:

*Drama enables students to:*

Investigate the forms and purposes of drama in different historical or contemporary contexts, including New Zealand drama;

Select and use techniques, conventions, and technologies in a range of dramatic forms;

Research, evaluate, and refine ideas in a range of dramatic forms to develop drama;

Perform and respond to drama and make critical judgments about how elements, techniques, conventions, and technologies are used to create form and meaning in their own and others' work.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91512	1	3	4	Lit Read	Interpret scripted text to integrate drama techniques in performance	Internal
AS 91513	1	3	4	Lit	Devise and perform a drama to realise a concept	Internal
AS 91514	2	3	5	Lit Read / Write	Interpret a prescribed text to demonstrate knowledge of a theatre form or period	External
AS 91515	1	3	4	Lit Read	Interpret a prescribed text to demonstrate knowledge of a theatre form or period	Internal
AS 91516	1	3	4	Lit Read	Demonstrate understanding of the work of a drama or theatre theorist or practitioner	Internal
AS 91517	1	3	4	Lit Read	Perform a substantial acting role in a significant production	Internal
AS 91518	1	3	5	Lit Write	Demonstrate understanding of live drama performance	External
AS 91519	1	3	4	Lit Write	Script a drama suitable for live performance	Internal
AS 91520	1	3	5	Lit Read	Direct a drama performance	Internal
<b>Total Credits offered</b>						<b>16-24</b>

# Level 3 Economics

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education.

## Entry Requirement.

It is preferred that students have achieved Level 2 Economics (at least 3 standards of which 1 is external) or for students who have not done Level 2 Economics, Level 2 English (at least 2 standards of which 1 is external).

## Course Description:

Economics enables students to understand that well-functioning markets are efficient but that governments may need to intervene where markets fail to deliver efficient or equitable outcomes and understand how the nature and size of the New Zealand economy is influenced by interacting internal and external factors.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91399	1	3	4	Lit Read / Write	Demonstrate understanding of the efficiency of market equilibrium	External
AS 91400	1	3	4	Lit Read / Write	Demonstrate understanding of the efficiency of different market structures using marginal analysis	External
AS 91401	1	3	5	Lit Read	Demonstrate understanding of microeconomic concepts	Internal
AS 91402	1	3	5	Lit Read	Demonstrate understanding of government interventions to correct market failures	Internal
AS 91403	1	3	6	Lit Read / Write	Demonstrate understanding of macro-economic influences on the New Zealand economy	External
<b>Total Credits offered</b>						<b>19-24</b>

# Level 3 English

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education.

## Entry Requirement:

University Entrance Literacy and gained 14 English credits with at least 4 credits from an external

## Course Description:

English 1, The contents of this course are designed for students who are intending to pursue tertiary education or have a real passion for English, being driven and motivated to manage themselves

English 2, in consultation with the HOD English, students will select an appropriate course of study in English. The main purpose is to improve reading, writing and thinking skills. Selected papers will be chosen to gain literacy for University Entrance. The focus would be to work at a slower pace, gaining deeper understanding of general language skills.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91472	1	3	4	Lit Read / Write	Respond critically to specified aspect(s) of studied written text(s), supported by evidence	External
AS 91473	1	3	4	Lit Write	Respond critically to specified aspect(s) of studied visual or oral text(s), supported by evidence	External
AS 91474	1	3	4	Lit Read / Write	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence	External
AS 91475	1	3	6	Lite Write	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	Internal
AS 91476	1	3	3	-	Create and deliver a fluent and coherent oral text which develops, sustains, and structures ideas	Internal
AS 91477	1	3	3	-	Create a fluent and coherent visual text which develops, sustains, and structures ideas using verbal and visual language	Internal
AS 91478	1	3	4	-	Respond critically to significant connections across texts, supported by evidence	Internal
AS 91479	1	3	4	Lit Read	Develop an informed understanding of literature and/or language using critical texts	Internal
AS 91480	1	3	3	-	Respond critically to significant aspects of visual and/or oral text(s) through close reading, supported by evidence	Internal
<b>Total Credits offered</b>						<b>20-24</b>

# Level 3 Geography

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certification of Education Achievement

## Entry Requirements:

Student should have passed Level 2 Geography

## Course Description:

Geography is the study of the environment as the home of people. It seeks to interpret the world and how it changes over time – past, present, and future. It explores the relationships and connections between people and both natural and cultural environments. Geography investigates the ways in which features are arranged on the earth's surface. It describes and explains the patterns and processes that create them. Students learn to think spatially and use maps, visual images and new technologies, including geographical information systems (GIS), to obtain, present and analyse information.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91426	1	3	4	Lit Read / Write	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment	External
AS 91427	1	3	4	Lit Read / Write	Demonstrate understanding of how a cultural process shapes geographic environment(s)	Internal
AS 91428	1	3	3	Lit Read / Write	Analyse a significant contemporary event from a geographic perspective.	External
AS 91429	1	3	4	Lit Read / Write	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills	External
AS 91430	1	3	5	-	Conduct geographic research with consultation	Internal
AS 91431	1	3	3	Lit Read	Analyse aspects of a contemporary geographic issue	Internal
AS 91432	1	3	3	-	Analyse aspects of a geographic topic at a global scale	Internal
AS 91433	1	3	3	-	Apply spatial analysis, with consultation, to solve a geographic problem	Internal
<b>Total Credits offered</b>						<b>20-24</b>

# Level 3 History

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement

## Entry Requirement:

It is preferred that students have achieved NCEA Level 2 History (at least 3 standards of which 1 is an External) or for students who have not taken Level 2 History, Level 1 English (at least 1 External standard)

## Course Description:

Where possible, history encompasses events occurring in New Zealand and/or global events involving or influencing New Zealanders. Historical scholarship encourages students to look for points of connection and for similarities and differences, and to focus on research that transcends the boundaries of nation states. Students are encouraged to question accepted interpretations of the past and to consider contesting theories of historians and commentators. This emphasis reflects contemporary historical scholarship. There is also a more holistic approach to understanding concepts of identity

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91434	1	3	5	Lit Read	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	Internal
AS 91435	1	3	5	Lit Read	Analyse an historical event, or place, of significance to New Zealanders	Internal
AS 91436	1	3	4	Lit Read / Write	Analyse evidence relating to an historical event of significance to New Zealanders	External
AS 91437	1	3	5	Lit Read	Analyse different perspectives of a contested event of significance to New Zealanders	Internal
AS 91438	1	3	6	Lit Read / Write	Analyse the causes and consequences of a significant historical event	External
AS 91439	1	3	6	Lit Read / Write	Analyse a significant historical trend and the force(s) that influenced it	External
<b>Total Credits offered</b>						<b>20-24</b>

# Longburn Adventist College

LEARNING AREAS	YEAR 7 & 8 Intermediate	YEAR 9	YEAR 10
English	English	English	English
The Arts	Music	Music	Music
	Visual Art	Visual Art	Visual Art Digital Art
Health & Physical Education	Core Physical Education & Health		
Te Reo Māori	Core Subject Programme	Te Reo Māori	Te Reo Māori
Learning Languages		Japanese	Japanese
Mathematics & Statistics		Mathematics	Mathematics
Science		Science	Science
Social Sciences		Bible - Encounter	Bible - Encounter
		Social Studies	Social Studies
Technology		Information Technology	Computers
	Design Technology	Building Construction	
	Food Technology	Home Economics	
	Material Technology		
Learning Support / SENCO		ESOL	ESOL
		Reading Recovery	Reading Recovery
Vocational & Outside Provider Courses		Correspondence School Courses (for programmes that LAC does not offer)	

*Not all courses offered will run. It will depend on the number of students the course and the availability of staffing.*



# SUBJECT STRUCTURE 2017

	<b>YEAR 11</b> NCEA Level 1	<b>YEAR 12</b> NCEA Level 2	<b>YEAR 13</b> NCEA Level 3
	<b>English</b>	<b>English</b>	English
	Music	Music	Music
	Drama	Drama	Drama
	Visual Art	Visual Art	Visual Art
		Photography	Photography
	Physical Education	Physical Education	Physical Education
	Health	<i>Health proposed for 2018</i>	<i>Health proposed for 2019</i>
	Te Reo Māori		
		Mathematics with Statistics	
		Mathematics with Calculus	
	<b>Mathematics</b>	General Maths	General Maths
		Biology	Biology
	<b>Science</b>	Chemistry	Chemistry
		Physics	Physics
	<b>Religious Studies</b>	<b>Religious Studies</b>	<b>Religious Studies</b>
	Accounting	<i>Accounting proposed for 2018</i>	<i>Accounting proposed for 2019</i>
	Economics	Economics	Economics
	History	History	History
	Geography	Geography	Geography
		Tourism	Tourism
		Media Studies	Media Studies
			Classical Studies
	Computers	Computers	Computers
	Building Construction	Building Construction	Building Construction
	Home Economics	Home Economics	Home Economics
	ESOL	ESOL	ESOL
	<i>(English for Speakers of Other Languages)</i>		
	Correspondence School Courses	<ul style="list-style-type: none"> <li>• GATEWAY Courses</li> <li>• Secondary Tertiary Provider Programmes (STAR)</li> <li>• Correspondence School Courses</li> </ul>	

Select courses carefully as it may be difficult to change courses at a later time.

**Bold type** indicates compulsory subjects

# Level 3 Home Economics

## Course Description:

In Home Economics, students demonstrate understanding of family and local community issues affecting food and nutrition needs, across the lifespan. They analyse attitudes and values affecting food choices and sustainable food practices. They work towards increasing independence in practical applications of their knowledge and cooking skills.

**This course is currently under review and is envisaged to be one of the following:**

1. Home Economics Achievement Standards
2. Hospitality Unit Standards
3. A combination of both

# Level 3 Mathematics

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

To study Mathematics at Level 3 students should have passed at least one of the external assessments in Level 2

To study the Calculus standards students should have achieved at Merit in Algebra or Calculus at Level 2

## Course Description:

In consultation with the HOD mathematics, students will select an appropriate course of study in Mathematics.

Mathematics at Level 3 focuses on advanced problem solving using mathematical techniques in real world or mathematical contexts.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91573	1	3	3	Num	Apply the geometry of conic sections in solving problems	Internal
AS 91574	1	3	3	Num	Apply linear programming methods in solving problems	Internal
AS 91575	1	3	4	Num	Apply trigonometric methods in solving problems	Internal
AS 91576	1	3	2	Num	Use critical path analysis in solving problems	Internal
AS 91577	1	3	5	Num	Apply the algebra of complex numbers in solving problems	External
AS 91578	1	3	6	Num	Apply differentiation methods in solving problems	External
AS 91579	1	3	6	Num	Apply integration methods in solving problems	External
AS 91580	1	3	4	Lit / Num	Investigate time series data	Internal
AS 91581	1	3	4	Lit / Num	Investigate bivariate measurement data	Internal
AS 91582	1	3	4	Lit / Num	Use statistical methods to make a formal inference	Internal
AS 91583	1	3	4	Lit / Num	Conduct an experiment to investigate a situation using experimental design principles	Internal
AS 91584	1	3	4	Lit Write / Num	Evaluate statistically based reports	External
AS 91585	1	3	4	Num	Apply probability concepts in solving problems	External
AS 91586	1	3	4	Num	Apply probability distributions in solving problems	External
AS 91587	1	3	3	Num	Apply systems of simultaneous equations in solving problems	Internal
<b>Total Credits offered</b>						<b>16-24</b>

# Level 3 Media Studies

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

Students need to have gained 12 Visual Arts credits at Level 2

Level 1 Literacy

## Course Description: Students will:

Media studies is about the active exploration, analysis, creation, and enjoyment of the media and its products.

Media studies examines the dynamic role of the media in society, how the media constructs messages about individuals, communities, and cultures and how media products are produced, controlled, and distributed.

Through media studies students gain the knowledge and skills to conceive, plan, design and make media products that engage audiences.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91490	1	3	4	Lit Read / Write	Demonstrate understanding of an aspect of a media industry	External
AS 91491	1	3	3	Lit	Demonstrate understanding of the meaning of a media text through different readings	Internal
AS 91492	1	3	3	Lit	Demonstrate understanding of the media representation of an aspect of New Zealand culture or society	Internal
AS 91493	1	3	4	Lit Read / Write	Demonstrate understanding of a relationship between a media genre and society	External
AS 91494	1	3	4	Lit	Produce a design for a media product that meets the requirements of a brief	Internal
AS 91495	1	3	6	Lit	Produce a media product to meet the requirements of a brief	Internal
AS 91496	1	3	3	Lit	Demonstrate understanding of a significant development in the media	Internal
AS 91497	1	3	3	Lit Write	Write a media text to meet the requirements of a brief	Internal
<b>Total Credits offered</b>						<b>16-24</b>

# Level 3 Music

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

Level 2 Music; Instrumental lessons for 4 years

## Course Description: Students will:

The practice of music builds confidence and self-esteem, transforming students through supported explorations, which develop a strong sense of well-being and self-empowerment. Students learn to be confident and resilient through taking the creative risks involved in performance and composition. Students connect past, present, and future views of the world through their study of many different types of music. Students access, invent, and transform sounds through the application of sound arts technologies.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91416	1	3	8	-	Perform two programmes of music as a featured soloist	Internal
AS 91417	1	3	4	-	Perform a programme of music as a featured soloist on a second instrument	Internal
AS 91718	1	3	4	-	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group	Internal
AS 91719	1	3	8	-	Communicate musical intention by composing three original pieces of music	Internal
AS 91720	1	3	4	-	Integrate aural skills into written representation	External
AS 91721	1	3	4	-	Demonstrate understanding of harmonic and tonal conventions in a range of music scores	External
AS 91722	1	3	4	Lit	Analyse a substantial music work	Internal
AS 91723	1	3	4	Lit	Examine the influence of context on a substantial music work	External
AS 91724	1	3	4	-	Create two arrangements for an ensemble	Internal
AS 91725	1	3	6	Lit Read	Research a music topic	Internal
<b>Total Credits offered</b>						<b>20-24</b>

# Level 3 Photography

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

12 Photography credits at Level 2 or complete a Visual Arts Course at Level 1

## Course Description: Students will:

*In photography, students will:*

Develop abilities to use research and analysis to investigate contexts, meanings, intentions, and technological influences related to the making and valuing of artworks.

Develop abilities to research and analyse contexts relevant to their intentions and to the expression of meanings in their own work.

Develop abilities to apply understanding from both broad and depth research into the characteristics and constraints of materials, techniques, technologies, and established conventions in the photography field.

Be enabled to extend and refine skills in the photography field, using appropriate processes and procedures.

Develop abilities to generate, analyse, clarify, and regenerate options in response to selected questions of a proposal in the photography field.

Develop abilities to use a systematic approach, selectively informed by recent and established practice to develop ideas in a body of work.

Develop abilities to research and analyse selected approaches and theories related to visual art practices.

Provide students with opportunities to critically reflect on, respond to, and evaluate art works.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91442	1	3	4	Lit	Analyse methods and ideas from established photography practice	Internal
AS 91447	1	3	4	-	Use drawing to demonstrate understanding of conventions appropriate to photography	Internal
AS 91452	1	3	4	-	Systematically clarify ideas using drawing informed by established photography practice	Internal
AS 91457	1	3	14	-	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice	External
AS 91460	1	3	4	-	Produce a resolved work that demonstrates purposeful control of skills appropriate to a visual arts cultural context.	Internal
<b>Total Credits offered</b>						<b>20-24</b>

# Level 3 Physical Education

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

14 credits at Level 2 PE or 14 credits at Level 2 English in consultation with the HOD PE

## Course Description:

Students develop critical evaluation and reflection skills. This allows them to understand more deeply the complexity of the movement culture and to consider the assumptions surrounding the role of movement in relation to self, others, and the wider society. For example, students at this level could explore the possible consequences (positive and negative) of schools requiring compulsory participation in school sport.

The ability to analyse participation patterns critically will enable them to suggest possible health-promoting actions that could contribute to their own and others lives. Students at this level draw on a wide range of perspectives from research, anecdotal evidence, media reporting, and their own participation.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91498	1	3	4	Lit / Num	Evaluate physical activity experiences to devise strategies for lifelong well-being	Internal
AS 91499	1	3	3	Lit	Analyse a physical skill performed by self or others	Internal
AS 91500	1	3	4	Lit / Num	Evaluate the effectiveness of a performance improvement programme.	Internal
AS 91501	1	3	4	Num	Demonstrate quality performance of a physical activity in an applied setting	Internal
AS 91502	1	3	4	Lit Read	Examine a current physical activity event, trend, or issue and its impact on New Zealand society	Internal
AS 91503	1	3	5	Lit / Num	Evaluate the use of health promotion to influence participation in physical activity	Internal
AS 91504	1	3	3	Lit	Analyse issues in safety management for outdoor activity to devise safety management strategies	Internal
AS 91505	1	3	4	Lit Read	Examine contemporary leadership principles applied in physical activity contexts	Internal
<b>Total Credits offered</b>						<b>16-24</b>

# Level 3 Physics

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education.

## Course Requirement:

2 externals in Year 12 Physics and ideally achieving the algebra external in Year 12 Maths

## Course Description: In this course students will:

*In Physics students will:*

Investigate physical phenomena (in the areas of mechanics, electricity, electromagnetism, heat, light and waves, and atomic and nuclear physics) and produce qualitative and quantitative explanations for a variety of complex situations; Analyse and evaluate data to deduce complex trends and relationships in physical phenomena.

Use physics ideas to explain a technological, biological, or astronomical application of physics and discuss related issues.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91521	1	3	4	Lit	Carry out a practical investigation to test a physics theory relating two variables in a non-linear relationship	Internal
AS 91522	1	3	3	Lit	Demonstrate understanding of the application of physics to a selected context	Internal
AS 91523	1	3	4	Lit	Demonstrate understanding of wave systems.	External
AS 91524	1	3	6	Lit	Demonstrate understanding of mechanical systems	External
AS 91525	1	3	3	Lit	Demonstrate understanding of Modern Physics	Internal
AS 91526	1	3	6	Lit	Demonstrate understanding of electrical systems	External
AS 91527	1	3	3	Lit Read	Use physics knowledge to develop an informed response to a socio-scientific issue	Internal
<b>Total Credits offered</b>						<b>16-24</b>



# Level 3 Religious Education

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Course Requirement:

Level 1 Literacy

## Course Description: In this course students will:

Students will be challenged to think about grounding their beliefs in a relationship with Jesus. They will analyse contemporary ethical issues that challenge Christianity as a religion and what religion looks like in New Zealand, the astounding meanings found in the book of Jonah and lastly, key beliefs in Christianity and a world view, in relation to the big questions of purpose, creation and morals. These ideas will give students the opportunity to solidify their own belief structure and share their understandings with others in the wider community.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 90825	2	3	6	Lit	Analyse a religious tradition(s) in Aotearoa New Zealand	Internal
AS 90826	2	3	6	Lit Read	Analyse the response of a religious tradition to a contemporary ethical issue	Internal
AS 90827	2	3	6	Lit Read	Analyse the key beliefs of a religious tradition and a secular world view in relation to ultimate questions	Internal
AS 91725	1	3	6	Lit Read	Analyse the meanings in a sacred text within a religious tradition	Internal
US 22750	2	4	5	Lit Write	Write a crafted text using researched material in English for an academic purpose	Internal
<b>Total Credits offered</b>						<b>29</b>

# Level 3 Tourism

## Qualification:

National Certificate in Tourism

## Entry Requirements:

Level 1 Literacy

## Course Description: Students will:

This introductory L2 course reflects the global and national importance of tourism

Over the decades, tourism has experienced continued growth and deepening diversification to become one of the fastest growing economic sectors in the world. Modern tourism is closely linked to development and encompasses a growing number of new destinations. These dynamics have turned tourism into a key driver for socio-economic progress. Tourism New Zealand markets New Zealand to the world as a visitor destination. In the year ending June 2016, 3.3 million international visitors came to New Zealand. International tourism is one of New Zealand's largest earners of foreign exchange, adding approximately NZ\$11.8 billion annually to the nation's economy.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
US 3727	6	3	8	-	Demonstrate knowledge of Pacific Island countries as tourist destinations	Internal
US 18211	2	3	8	-	Demonstrate knowledge of Australia as a tourism destination	Internal
US 18212	2	3	8	-	Demonstrate knowledge of New Zealand as a tourist destination	Internal
US 24724	1	3	4	-	Demonstrate knowledge of the history of Tourism	Internal
US 24725	1	3	4	-	Describe and analyse the economic significance of tourism	Internal
US 24733	1	3	4	-	Describe and promote a New Zealand tourist destination	Internal
<b>Total Credits offered</b>						<b>24</b>

# Level 3 Visual Art

## Qualification:

NCEA Level 3 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirements:

Level 2 Art or by negotiation with the HOD Arts

## Course Description: Students will:

*Students will:*

Use research and analysis to investigate contexts, meanings, intentions, and technological influences related to the making and valuing of art works

Research and analyse contexts relevant to their intentions and to the expression of meanings in their own work.

Apply understanding from broad and deep research into the characteristics and constraints of materials, techniques, technologies, and established conventions in a selected field

Extend and refine skills in a selected field, using appropriate processes and procedures.

Generate, analyse, clarify, and regenerate options in response to selected questions or a proposal in a chosen field

Use a systematic approach, selectively informed by recent and established practice, to develop ideas in a body of work.

Research and analyse selected approaches and theories related to visual arts practice

Critically reflect on, respond to, and evaluate art works.

## Achievement Standards that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91446	1	3	4	-	Use drawing to demonstrate understanding of conventions appropriate to painting	Internal
AS 91451	1	3	4	-	Systematically clarify ideas using drawing informed by established painting practice	Internal
AS 91456	1	3	14	-	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	External
<b>Total Credits offered</b>						<b>22</b>

# NCEA INFORMATION

## The National Certificate of Educational Achievement NCEA

This is an introduction to assessment against achievement standards and unit standards and the National Qualifications Framework (NQF) at Longburn Adventist College.

## How To Gain NCEA

In Years 11, 12 and 13, subjects will offer a range of standards which assess different areas of knowledge and skills. These are called standards. Each standard is worth credits which will contribute towards gaining NCEA at Level 1, Level 2 and Level 3. Each subject will offer up to 24 credits.

## How to achieve standards to gain credits:

Achievement Standards are assessed by internal assessment, which takes place in school throughout the year (quality assured by NZQA), and by external assessment which is assessed by NZQA at the end of the year. The results have levels of achievement: Not Achieved (N), Achieved (A), Achieved with Merit (M) and Achieved with Excellence (E).

Unit Standards are assessed internally in school or the workplace and usually assess a more vocational based skill. They lead to a more specific qualification, eg Building and Construction Certificate.

Results are either Achieved (A) or Not Achieved (N).

## The minimum requirements for the NCEA Level 1, 2 and 3

NCEA Level	Credits required	Literacy and Numeracy credits required
Level 1	80 credits: At Level 1 or above	10 literacy, 10 numeracy
Level 2	80 credits: 60 at Level 2 or above plus 20 at any level	10 literacy, 10 numeracy
Level 3	80 credits: 60 at Level 3 or above plus 20 at Level 2 or above	10 literacy, 10 numeracy

## NCEA Level 1 Literacy and Numeracy Requirements

Students will achieve 10 Literacy and 10 Numeracy Credits through either:

- Achievement standards - available through a range of subjects with a minimum of 10 credits, or
- Unit standards - package of 3 unit standards worth a total of 10 credits.



# UNIVERSITY ENTRANCE REQUIREMENTS

Students begin preparing for University Entrance from NCEA Level 1.

There will be some requirements to meet in each NCEA level, from Level 1 to 3.

## University Entrance 2016

*To achieve University Entrance students must gain all of the following:*

### NCEA Level 3

#### Three subjects - at Level 3

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

**5** credits in writing

#### Numeracy

**10** credits at Level 1 or above,

Made up of:

Achievement Standards – specified achievement standards available through a range of subjects, or unit standards

## Course/Subject Endorsement

Students may receive NCEA endorsement for individual subjects.

**Merit endorsement:** 14 credits at Merit (or a mix of Merit and Excellence) in one year. At least 3 credits must be internal and 3 credits must be external.

**Excellence endorsement:** 14 credits at Excellence in one year. At least 3 credits must be internal and 3 credits must be external.

## NCEA CERTIFICATE ENDORSEMENT

Students will require 50 credits at Excellence to gain an NCEA endorsed with Excellence, and 50 credits at Merit (or Merit and Excellence), to gain an NCEA endorsed with Merit.

Credits can be gained over more than one year and more than one level, but must be gained at the level of the certificate or above. Eg. Level 2 credits will count towards endorsement of a Level 1 NCEA, but Level 1 credits will not count towards endorsement of a Level 2 NCEA.



# CHOOSING SUBJECTS WISELY

Use these questions as prompts to help you consider what subjects you need to be taking next year:

## ***Interest***

What do you enjoy learning?

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## ***Ability***

What subjects are you good at? Have you got ability in this subject?

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## ***Career Pathway***

What subjects do you need? What qualifications do you need?

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## ***Qualifications***

What qualification/s do you need to achieve?

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## ***Pre-requisites***

Have you got the prior learning needed?

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## ***How I like to learn***

Will the way learning occurs in this subject help me achieve my best results?

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# MY PLANNING PAGE

Use this chart to plan for your future in education. Try to consult with your family, careers and your teachers. The more information you gather about your career option the more informed your final decisions will be.

**“When I leave School I hope to...”**  
(Choose ONE path)

<input type="checkbox"/> Don't know	<input type="checkbox"/> Get a job immediately	<input type="checkbox"/> Do a Certificate or Diploma at a Polytechnic or some other private training	<input type="checkbox"/> Do a degree at University or Polytechnic
↓	↓	↓	↓
If I don't know what I want to do I must keep my course as general as possible	I will get a job as a: <input type="text"/>	The training will possibly be in: <input type="text"/>	The degree will possibly be in: <input type="text"/>
↓	↓	↓	↓
Research what subjects you may need for your chosen job <a href="http://www.careers.govt.nz/jobs/">http://www.careers.govt.nz/jobs/</a>	Now check the list of available subjects as well as the entrance requirements for university / polytechnics and the recommended subjects for each course. <i>Have you checked degree / diploma / certificate requirements with the Careers Advisor?</i> <input type="checkbox"/> Yes <input type="checkbox"/> No		
↓			

**Year 13 Subjects NCEA Level 3**

Compulsory subjects:                      • Religious Studies

My option subjects

Pick **7** options in order of preference:

**First Choice:** \_\_\_\_\_

**Second Choice:** \_\_\_\_\_

**Third Choice:** \_\_\_\_\_

**Fourth Choice:** \_\_\_\_\_

**Fifth Choice:** \_\_\_\_\_

**Sixth Choice:** \_\_\_\_\_

**Seventh Choice:** \_\_\_\_\_

# VOCATIONAL PATHWAYS

Vocational Pathways is a Ministry of Education tool that has been developed to help you plan your journey from secondary school to the work force. It is a new way to achieve NCEA Level 2. Vocational Pathways help you to see how your Level 2 learning and achievement matches against specific 'sector-related' standards with six industries.

- Get the info: <http://youthguarantee.net.nz/vocational-pathways/>
- Build your own vocational pathway profile: <http://youthguarantee.net.nz/vocational-pathways/profile-builder/>
- Info for Students and Whanau: <http://youthguarantee.net.nz/vocational-pathways/students-and-whanau/>
- Questions answered: <http://youthguarantee.net.nz/vocational-pathways/faqs/>
- Need to do some career planning? <http://www.careers.govt.nz/jobs-database/>

## The Vocational Pathways Award – shows on your Record of Achievement

<b>NCEA Level 2</b> <b>80</b> credits	Vocational Pathways Award <b>60</b> Level 2 credits from the recommended pathway(s)	<b>20</b> credits must be from sector related standards
Gain <b>10</b> credits – Literacy		Gain <b>10</b> credits – Numeracy

## Vocational Pathways – 5 sectors of industry

The pathways will help you see how learning is relevant to a wide range of jobs and study options, in five broad sectors of industry:

- Manufacturing and Technology
- Construction and Infrastructure
- Creative Industries
- Primary Industries
- Social and Community Services, and
- Services Industries

## Why is it good to know about your achievement against Vocational Pathways?

- You can show your family, whanau or aiga your strengths, interests and achievements.
- You can identify your interests and link them to a career path.
- You might identify subjects or assessments that you need to take to follow a particular vocational pathway.
- The Vocational Pathways identify many different occupations – some of which you may never have considered before.
- The pathways also show you what employers may expect to see you achieve in your learning.
- The pathways help you be sure that you are developing the right skills for a particular career.

*A Vocational Pathways qualification could lead you into either further study or give you entry into the workplace.*

Source – Ministry of Education <http://www.youthguarantee.net.nz/vocational-pathways/>

