



Longburn  
Adventist<sup>™</sup> College

---

*Level 2*  
*Options Book*

**NCEA Level 2**  
**2020 for 2021**

English &  
Te Reo  
Māori

The Arts

Health &  
Physical  
Education

Learning  
Languages

Maths &  
Science

Science

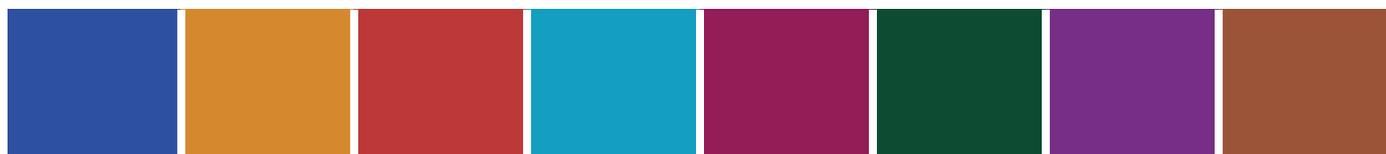
Social  
Sciences

Technology

# Contents

Page	Contents
3	Welcome letter
4	Planning a course
5	Biology
6	Building Construction
7	Chemistry
8	Commerce
9	Computing
10	Design
11	Empower - <i>New subject for 2021</i>
12	English
13	Health
14	History
15	Hospitality
16-17	Subject Structure

Page	Contents
18	Mathematics with Calculus
19	Mathematics with Statistics
20	Media Studies
21	Music
22	Painting
23	Photography
24	Physical Education
25	Physics
26	Religious Studies
27	Tourism
28	NCEA Information
29	University Entrance
30	Choosing Subjects Wisely
31	My Planning Page
32	Vocational Pathways



# Welcome

## ***Dear Parents and Students***

This document contains information on all subjects offered at Longburn Adventist College for NCEA Level 2, 2021. Information provided will assist you in helping your child to make informed choices about the pathway they need to take towards their career choice.

Subject pathways need to be very carefully considered when students move into Year 12 and onto an NCEA Level 2 programme. They will want to choose subjects that they will pursue through to Year 13. Students are encouraged to continue a broad range of subjects at this level. Of 6 subjects, 2 of them are core subjects at LAC for Year 12 which are Religious Studies and English. The other **4 subjects** are chosen by the students from a range of options. Students are required to **select 6 subjects in order of preference** for development of the timetable.

If students are considering a tertiary pathway at University when they leave school then they will need to know what the prerequisites are for the Uni courses and ensure that they have a range of subjects that support their ability to get into their chosen field of study. They will also need to consider a range of subjects that can support their ability to gain UE.

Good subject choices will be made if students consult with parents/caregivers and teachers. Students' 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 1 in the new year.

If you require further help, please contact Mrs Aiono.

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

Mrs Tamar Aiono, Assistant Principal  
[tamara@lac.school.nz](mailto:tamara@lac.school.nz)

# Planning A Course For NCEA Level 2

## 1. Your Compulsory Subjects:

- Religious Studies
- English

## 2. Choose 6 Option Subjects in order of preference from:

- Biology
- Building Construction/Woodwork
- Chemistry
- Commerce
- Computing
- Design
- Empower
- Health
- History
- Hospitality
- Mathematics with Calculus
- Mathematics with Statistics
- Media Studies
- Music
- Painting
- Photography
- Physical Education
- Physics
- Tourism

## 3. Fill in Your Option Choice Form

This will be done electronically in the last week of Term 3.

## 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 reassessment of internal achievement standards. You need to be aware of the Policies for Authenticity, Resubmission, Appeals, Absences and Lateness, and checking records of your results.

## 5. Selecting your Courses

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. Entry Requirements

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 Mrs Aiono or the relevant Leader of Learning.

## 7. STAR, Gateway and Te Kura

Students who wish to do specific work experience and placements in a career area need to contact Mrs Aiono, who will provide you with what needs to happen next. If there is a subject not offered at LAC that you would like to do, contact Mrs King, who will explain what needs to happen from there. These options are only for students who fit the criteria for this type of study, and are committed and self motivated. Contact with parents/caregivers will also be made to ensure this decision has been discussed.

# Level 2 Biology

## Qualification:

NCEA Level 2 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

Level 1 Biology

## Course Description:

Life is incredibly varied, yet based on common processes. Biologists – and students studying biology – seek evidence to explain the nature of living things, and to understand where and how life is evolving, how evolution links life processes and ecology, and the impact that humans have on all forms of life. Through learning in biology, students discover that life involves interactions at all levels of organisation: cells interact with their environment and with each other, so do organs, organisms and ecosystems. No living thing exists in isolation from its environment.

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

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91153	2	2	4	N	Carry out a practical investigation in a Biology context	Internal
AS 91154	2	2	3	L	Analyse the biological validity of information presented to the public	Internal
AS 91155	2	2	3	L	Demonstrate understanding of adaptation of plants or animals to their way of life	Internal
AS 91156	2	2	4	L	Demonstrate understanding of life processes at the cellular level	External
AS 91157	2	2	4	L	Demonstrate understanding of genetic variation and change	External
AS 91158	2	2	4	L	Investigate a pattern in an ecological community, with supervision	Internal
AS 91159	2	2	4	L	Demonstrate understanding of gene expression	External
AS 91160	2	2	3	-	Investigate biological material at the microscopic level	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 “BConstructive” Building Construction

## Qualification:

Building Construction Level 2 (Unit Standards)

## 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 22 credits, which must be gained to achieve the certificate. These credits will be offered, in English, Maths and the Woodwork shop.

## Course Costs:

\$80 for materials and take home projects.

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

US No.	Level	No. of Projects	Name	Credits
US 12927 Compulsory	2	3	Use and maintain hand tools	6
US 12932	2	2	Construct timber furniture	8
US 24350 Compulsory	2	2	Use and maintain portable power tools	6
US 24351	2	2	Fixed Machinery	6
US 24354 Compulsory	2	0	Know and apply safe working practices	4
US 24357 Compulsory	2	4	Communication	4
US 24358 Compulsory	2	1	Quality check	2
US 25921	2	1	Make a cupboard	6
US 24360	2	0	Timber and materials	5
<b>Total Credits offered</b>				<b>22</b>

# Level 2 Chemistry

## Qualification:

NCEA Level 2 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

Level 1 Science

## Course Description:

Chemistry is about understanding the properties of different substances and how these substances can change. Chemistry allows us to predict how substances may alter when the surrounding conditions change, or how they may react to form new substances, and to explain why this happens. Chemists are continually changing matter into new and more useful forms. Chemists and students who study chemistry use their understanding of atoms, molecules, and ions – particles that are too tiny to be seen with our eyes – to explain and predict the properties and behaviour of different materials.

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

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91910	2	2	5	N	Carry out quantitative analysis	Internal
AS 91911	2	2	3	L	Carry out procedures to identify ions present in solution	Internal
AS 91163	2	2	3	L	Demonstrate understanding of the chemistry used in the development of a current technology	Internal
AS 91164	2	2	3	L	Demonstrate understanding of bonding, structure, properties and energy changes	External
AS 91165	2	2	4	L	Demonstrate understanding of the properties of selected organic compounds	External
AS 91167	2	2	3	-	Demonstrate understanding of oxidation-reduction	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 Commerce

A combination of Accounting, Business Studies and Economics

## Qualification:

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

## Course Description:

Accounting enables students to develop the knowledge and skills to manage and communicate the financial affairs of individuals, communities, and businesses.

Business Studies enables students to appreciate the issues that challenge businesses and stakeholders. In a rapidly changing world, it is important that citizens are able to make informed and rational decisions about business matters.

Economics enables students to understand how economic concepts and models provide a means of analysing contemporary New Zealand issues and how government policies and contemporary issues interact.

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

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91174	2	2	4	L	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems	External
AS 91177	2	2	4	L/N	Interpret accounting information for entities that operate accounting subsystems	External
AS 91386	2	2	3	L/N	Demonstrate understanding of an inventory subsystem for an entity	Internal
AS 90846	2	2	3	L/N	Conduct market research for a new or existing product	Internal
AS 90847	2	2	3	L	Investigate the application of motivation theory in a business	Internal
AS 90848	2	2	9	L	Carry out, review and refine a business activity within a community context with guidance	Internal
AS 91222	2	2	4	L/W	Analyse inflation using economic concepts and models	External
AS 91223	2	2	4	L/W	Analyse economic growth using economic concepts and models	External
AS 91224	2	2	4	L/W	Analyse international trade using economic concepts and models	External
AS 91225	2	2	4	L	Analyse unemployment using economic concepts and models	Internal

**Total Credits offered 16-20**

# Level 2 Computing

## Qualification:

NCEA Level 2 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 (US) and Achievement Standards (AS) that will be drawn from for an assessment programme:

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
US 111	8	2	5	-	Use a word processor to produce documents for a business or organisation [Uses MS Word 2013] (Business administration)	Internal
US 2784	7	2	3	-	Create and use a computer spreadsheet to solve a problem	Internal
US 5940	8	2	3	-	Produce a presentation using a desktop presentation computer application	Internal
US 6743	7	2	2	-	Demonstrate an understanding of ergonomic principles for computer workstations	Internal
US 12885	7	2	4	-	Create and enhance electronic documents combining text and images for generic text and information management	Internal
US 29722	1	2	3		Manage files and folders using digital devices [Windows, Android and iOS]	Internal
US 29780	1	2	3		Configure and use contemporary and emerging digital devices [Windows, Android, iOS]	Internal
US 29784	1	2	2		Troubleshoot, fix and escalate simple or routine computing and connectivity problems	Internal
AS 91368	3	2	6		Implement advanced procedures to produce a specified digital information outcome with dynamically linked data (Digital Technologies 2.41)	Internal
AS 91369	2	2	4		Demonstrate understanding of advanced concepts of digital media (Digital Technologies 2.42)	Internal
AS 91370	3	2	4		Implement advanced procedures to produce a specified digital media outcome (Digital Technologies 2.43)	Internal
AS 91372	3	2	3		Construct a plan for an advanced computer program for a specified task (Digital Technologies 2.45)	Internal
AS 91373	3	2	3		Construct an advanced computer program for a specified task (Digital Technologies 2.46)	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 Design

## Qualification:

NCEA Level 2 Achievement Standards – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirements:

Achieved Level 1 Art

## Course Description:

In Design, students will pick 1 theme and carry it over all of the offered assessments. The external boards are an end product of a year long study around the students theme. This enables work that is created in internals to then be applicable to go on their external boards. Students will be using digital programs to achieve their desired end result.

### *Students will also:*

- Research and analyse the influence of relevant contexts on their own work.
- Apply understanding from research into a range of established practice to extend skills for particular art-making purposes, using appropriate processes and procedures in design.
- Extend skills, in illustrator, indesign and photoshop.
- Generate, analyse, clarify, and extend ideas in design related to established practice
- Use a systematic approach to the development of ideas in a body of work.
- Research and analyse how artworks are constructed and presented to communicate meanings
- Use critical analysis to interpret and respond to 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 91310	2	2	4	-	Use drawing methods to apply knowledge of conventions appropriate to Design	Internal
AS 91315	2	2	4	-	Develop ideas in a related series of drawings appropriate to established Design practice	Internal
AS 91320	2	2	12	-	Produce a systematic body of work that shows understanding of art-making conventions and ideas within Design	External
<b>Total Credits offered</b>						<b>20</b>

# Level 2 Empower - New Subject for 2021

## Qualification:

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

## Entry Requirement:

Entry is open for this subject. However, 'Empower' students should be highly motivated, with a genuine interest in improving their overall wellbeing and/or achieving personal fitness/sporting goals.

## Course Description:

Students will gain insight into the fundamental skills & knowledge essential to the sport & fitness industry. It will cover elements related to training & fitness principles, training techniques, fitness testing, exercise prescription & instruction. This will provide them with the ability to maintain or develop personal fitness, in addition to, assisting others with personal fitness goals.

Students will also be trained as entry level fitness/training mentors for the LAC fitness department & wider LAC community.

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

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
US 30933	1	3	5	-	Demonstrate exercise and stretching techniques	Internal
US 30935	1	3	5	-	Develop and implement and exercise plan for personal ad protocols of exercise fitness	Internal
US 30936	1	3	5	-	Demonstrate knowledge of the purpose and protocols of exercise testing	Internal
US 30934	1	3	10	-	Select and instruct pre-designed exercise programmes	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 English

## Qualification:

NCEA Level 1 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education.

## Entry Requirement:

Students have gained Level 1 Literacy.

## Course Description:

English is about connecting with others and their ideas and communicating our own, using language correctly. English is about exploring our identities and building relationships. English is about finding and nurturing a voice to tell our stories and developing an ear to hear the stories of others. In doing so, we begin to understand where and how we all belong and fit into a global society.

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

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91098	3	2	4	R/W	Analyse specified aspect(s) of studied written text(s), supported by evidence	External
AS 91100	2	2	4	Lit R/W	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	External
AS 91101	2	2	6	Lit W	Produce a selection of crafted and controlled writing	Internal
AS 91102	2	2	3	-	Construct and deliver a crafted and controlled oral text	Internal
AS 91104	2	2	4	-	Analyse significant connections across texts, supported by evidence	Internal
AS 91105	2	2	4	Lit R	Use information literacy skills to form developed conclusion(s)	Internal
AS 91106	2	2	4	Lit R	Form developed personal responses to independently read texts, supported by evidence	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 Health

## Qualification:

NCEA Level 12 Achievement Standards – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

This subject has open entry with it being preferable for students to have achieved Year 11 Health.

## Course Description:

Health Education enables students to focus on the dimensions of hauora and the application of the concept to a range of contexts. In year 12 students will analyse personal, interpersonal, and societal factors that influence well-being and make relevant connections between these factors and the concept of the determinants of health, take action in their own community to enhance well-being, recommend and evaluate health-enhancing strategies and evaluate the relationship between risk factors and protective factors in a range of contexts involving significant life changes.

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

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91236	2	2	5	L	Evaluate factors that influence people's ability to manage change	Internal
AS 91237	2	2	5	L	Take action to enhance an aspect of people's well-being within the school or wider community	Internal
AS 91239	2	2	5	L	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	Internal
AS 91235	2	2	5	L	Analyse an adolescent health issue	External
<b>Total Credits offered</b>						<b>20</b>

# Level 2 History

## Qualification:

NCEA Level 2 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 1 History (at least 3 standards of which 1 is an External) or for students who have not taken Level 1 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 91229	2	2	4	Lit R/W	Carry out an inquiry of an historical event or place that is of significance to New Zealanders	Internal
AS 91230	2	2	5	Lit R	Carry out an inquiry of an historical event or place that is of significance to New Zealanders	Internal
AS 91231	2	2	4	Lit R/W	Examine sources of an historical event that is of significance to New Zealanders	External
AS 91232	2	2	5	Lit R	Interpret different perspectives of people in an historical event that is of significance to New Zealanders	Internal
AS 91233	2	2	5	Lit R/W	Examine causes and consequences of a significant historical event	External
<b>Total Credits offered</b>						<b>16-20</b>

# Level 2 Hospitality

## Qualification

NCEA Level 2 Unit Standards Course – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

It is recommended that students have completed Level 1 Hospitality.

## Course Description:

Level 2 Hospitality follows the Unit Standard course framework. All learning materials are given to each student by an outside school supplier; Service IQ. During this course, students explore more in depth the different strands founded in the Hospitality Industry, in relation to food safety, food handling, knife skills and basic cookery skills. The Units offered during 2021 are subject to change as they will be dependent on students' interests.

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

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
167	v8	2	4	-	Practice food safety methods in a food business, or demonstrate equivalent knowledge and skills	Internal
13272	v4	2	2	-	Cook food items by baking	Internal
13276	v5	2	2	-	Cook food items by grilling	Internal
13281	v5	2	2	-	Prepare and present basic sandwiches for service	Internal
13283	v5	2	2	-	Prepare and present salads for service	Internal
13284	v4	2	2	-	Clean food production areas and equipment	Internal
13285	v5	2	2	-	Handle and maintain knives in a commercial kitchen	Internal
14443	v4	2	2	-	Pack food and beverage orders for takeaway in a commercial hospitality environment	Internal
22234	v2	2	4	-	Compare characteristics of international dishes and prepare and present international dishes	Internal
<b>Total Credits offered</b>						<b>18</b>

# Subject Structure 2021

LEARNING AREAS	Junior School		
	YEAR 7 & 8	YEAR 9	YEAR 10
The Arts	Music	Music	Music
	Visual Arts	Visual Arts	Visual Arts
English	English	English	English
Health & Physical Education	Health & Physical Education	Health & Physical Education	Health & Physical Education
		Invictus Wellbeing Programme	
Mathematics & Statistics	Mathematics	Mathematics	Mathematics
Science	Science	Science	Science
Social Sciences	Bible	Bible	Bible
	Integrated Studies	Social Studies	Social Studies
Technology		Information Technology	Information Technology
	Woodwork	Woodwork	Woodwork
	Home Economics	Home Economics	Home Economics
		Programming	Programming
Learning Support	LAC's SENCO (Special Educational Needs Co-ordinator) can assess & assist with students' learning needs across all Year levels		
Vocational & Outside Provider Courses	Te Kura, the correspondence school (for subjects that LAC does not offer)		

**Bold type** indicates compulsory subjects

*Subject to change*

<b>Senior School</b>		
<b>YEAR 11</b> NCEA Level 1	<b>YEAR 12</b> NCEA Level 2	<b>YEAR 13</b> NCEA Level 3
Music	Music	Music
Visual Arts	Design	Design
	Painting	Painting
	Photography	Photography
<b>English</b>	<b>English</b>	English
Physical Education	Physical Education	Physical Education
Health	Health	Health
Empower	Empower	Empower
<b>Invictus</b>		
<b>Mathematics</b>	Mathematics with Statistics <i>OR with Calculus</i>	Mathematics with Statistics <i>OR with Calculus</i>
<b>Science</b>	Biology	Biology
	Chemistry	Chemistry
	Physics	Physics
<b>Religious Studies</b>	<b>Religious Studies</b>	<b>Religious Studies</b>
History	History	
Commerce	Commerce	
Geography	Tourism	Tourism
	Media Studies	Media Studies
Computing	Computing	Computing
Building Construction	Building Construction	Building Construction
Hospitality	Hospitality	Hospitality

Provisions for support will be provided where possible, through areas like SPEC (South Pacific Educational Courses) and ELL (English Language Learners)

- Gateway or STAR courses
- Secondary Tertiary Provider programmes (STP)
- Te Kura, the correspondence school

## Level 2

**Mathematics with Calculus****Qualification:**

This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement Level 2.

**Entry Requirement:**

Students should have gained at least 10 credits in Level 1 Mathematics including at least one externally assessed achievement standard. Placement into the course will be decided after consultation with students and the Learning Leader of Mathematics. This will also be dependent on numbers and availability of staff.

**Course Description:**

This subject aims to develop skills, concepts and understanding to enable students to use mathematics with confidence and to provide a pathway into Level 3 Mathematics or tertiary level vocational training. There are compulsory workbooks, and classwork and homework will be undertaken in these.

This course is made up of 2 internally assessed standards and 3 externally assessed standards.

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

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91256	3	3	2	N	Apply co-ordinate geometry methods in solving problems	Internal
AS 91257	3	2	4	N	Apply graphical methods in solving problems	Internal
AS 91259	3	2	3	N	Apply trigonometric relationships in solving problems	Internal
AS 91261	3	2	4	N	Apply algebraic methods in solving problems	External
AS 91262	3	2	5	N	Apply calculus methods in solving problems	External
<b>Total Credits offered</b>						<b>18</b>

## Level 2

**Mathematics with Statistics****Qualification:**

This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement Level 2.

**Entry Requirement:**

Students should have gained at least 10 credits in Level 1 Mathematics including at least one externally assessed achievement standard. Placement into this course will be decided after consultation with students and the Learning Leader of Mathematics.

**Course Description:**

This subject aims to develop skills, concepts and understanding to enable students to use mathematics with confidence and to provide a pathway into Level 3 Mathematics with Statistics or tertiary level vocational training. There are compulsory workbooks, and classwork and homework will be undertaken in these.

This course is made up of 5 internally assessed standards and 1 externally assessed standard.

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

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91256	3	3	2	N	Apply co-ordinate geometry methods in solving problems	Internal
AS 91260	3	2	3	N	Apply network methods in solving problems	Internal
AS 91264	3	2	4	L / N	Use statistical methods to make an inference	Internal
AS 91265	3	2	3	L / N	Conduct an experiment to investigate a situation using statistical methods	Internal
AS 91267	3	2	4	L / N	Apply probability methods in solving problems	External
AS 91268	3	2	2	L / N	Investigate a situation involving elements of chance using a simulation	Internal
<b>Total Credits offered</b>						<b>17</b>

# Level 2 Media Studies

## Qualification:

NCEA Level 2 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirements:

- Level 1 Literacy
- Students will have ideally taken Visual Arts as a Year 10 Option

## Course Cost:

\$80 (approx) for class trip

## Course Description:

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 91248	2	2	3	Lit R/W	Demonstrate understanding of the relationship between a media product and its audience	External
AS 91249	2	2	4	L	Demonstrate understanding of narrative in media texts	Internal
AS 91252	2	2	4	L	Produce a design and plan for a developed media product using a range of conventions	Internal
AS 91253	3	2	6	L	Complete a developed media product from a design and plan using a range of conventions	Internal
AS 91255	2	2	3	Lit W	Write developed media text for a specific target audience	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 Music

## Qualification:

NCEA Level 2 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Education

## Entry Requirement:

NCEA Level 1 Music; Instrumental lessons for 3 years

## Course Description:

### *Students will:*

- Perform music of greater length and complexity in solo and group performances
- Participate in a performance group of 3 to 7 members
- Compose music of greater length and complexity
- Continue to develop aural skills and understand characteristics of a wide range of written music
- Recall in an external exam, more complex detail about two large music works
- Research an aspect of New Zealand music
- Study a range of music styles including the Jazz, Rock, Baroque and Romantic period music

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

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91270	2	2	6	-	Perform two substantial pieces of music as a featured soloist	Internal
AS 91274	2	2	3	-	Perform a substantial piece of music as a featured soloist on a second instrument	Internal
AS 91272	2	2	4	-	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	Internal
AS 91271	2	2	6	-	Compose two substantial pieces of music	Internal
AS 91275	2	2	4	-	Demonstrate aural understanding through written representation	External
AS 91276	2	2	4	-	Demonstrate knowledge of conventions in a range of music scores	External
AS 91277	2	2	6	L	Demonstrate understanding of two substantial contrasting music works	External
AS 91273	2	2	4	L	Devise an instrumentation for an ensemble	Internal
AS 91278	2	2	4	L	Investigate an aspect of New Zealand music	Internal
<b>Total Credits offered</b>						<b>18-20</b>

# Level 2 Painting

## Qualification:

NCEA Level 2 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirements:

It is preferable that students have achieved Level 1 Art

## Course Description: Students will:

In Painting, students will pick one theme and carry it over all of the offered assessments. The external boards are an end product of a year long study around the students theme. This enables work that is created in internals to be applicable for external boards. The media they will work in is acrylic or oil paint.

### *Students will also:*

- Research and analyse the influence of relevant contexts on their own work
- Apply understanding from research into a range of established practice to extend skills for particular art-making purposes, using appropriate processes and procedures in painting
- Extend skills in a range of materials, techniques, and technologies
- Generate, analyse, clarify, and extend ideas in a selected field related to established practice
- Use a systematic approach to the development of ideas in a body of work
- Research and analyse how art works are constructed and presented to communicate meanings
- Use critical analysis to interpret and respond to 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 91311	2	2	4	-	Use drawing methods to apply knowledge of conventions appropriate to painting	Internal
AS 91316	2	2	4	-	Develop ideas in a related series of drawings appropriate to established painting practice.	Internal
AS 91321	2	2	12	-	Produce a systematic body of work that shows understanding of art-making conventions and ideas within painting	External
<b>Total Credits offered</b>						<b>22</b>

# Level 2 Photography

## Qualification:

NCEA Level 2 Achievement Standards – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

- Students will have successfully completed Year 9 Core Art
- Students will have ideally taken either Digital or Visual Art as a Year 10 option
- Level 1 Literacy

## Course Cost:

Approximately \$90-\$110 for printing resources, class textbook, camera equipment, class trips and computer updates.

## Course Description:

Year 12 Photography is an exciting avenue in familiarising yourself in visual arts. Each assessment task will concentrate on your own learning and time management. You will be expected to complete in-depth research, record your thought process and document the development of your images. Throughout the year you will have the opportunity to produce creative forms of imagery.

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

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 91312	2	2	4	-	Use drawing methods to apply knowledge of conventions appropriate to photography	Internal
AS 91317	2	2	4	-	Develop ideas in a related series of drawings appropriate to established photography practice	Internal
AS 91322	2	2	12	-	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 Physical Education

## Qualification:

NCEA Level 2 Achievement Standards – This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Entry Requirement:

Level 1 Literacy

## Course Description:

Students continue to develop their knowledge and understanding by applying bio-physical and socio-cultural aspects as they participate in movement contexts. Students engage in critical thinking to consider a range of perspectives and to challenge assumptions.

Ongoing reflection, analysis, and evaluation are important processes as students adapt to ever-changing situations and movement environments. They use these processes as they consider the social and cultural significance influencing performance and participation and make informed decisions about their own and others movement goals.

## Course Cost:

\$250 - Course fee for camp

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

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91327	2	2	3	L	Examine the role and significance of physical activity in the lives of young people in New Zealand	Internal
AS 91328	2	2	5	L	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	Internal
AS 91329	2	2	4	L	Demonstrate understanding of the application of biophysical principles to training for physical activity	Internal
AS 91330	3	2	4	-	Perform a physical activity in an applied setting	Internal
AS 91333	2	2	3	L	Analyse the application of risk management strategies to a challenging outdoor activity	Internal
AS 91334	2	2	3	-	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 Physics

## Qualification:

NCEA Level 2 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Course Requirement:

Students will have achieved trigonometry and algebra in Year 11 Maths with 1 external in Year 11 Science.

## Course Description:

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 unfamiliar situations; analyse data to deduce complex trends and relationships in physical phenomena.

Use Physics ideas to explain a technological or biological application of physics.

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

Standard No.	Version	Level	Credits	Lit/Num	Full Title	Internal/External
AS 91168	2	2	4	L/N	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	Internal
AS 91169	2	2	3	L	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	Internal
AS 91170	2	2	4	L/N	Demonstrate understanding of waves	External
AS 91171	2	2	6	L/N	Demonstrate understanding of mechanics	External
AS 91172	2	2	3	L	Demonstrate understanding of atomic and nuclear physics	Internal
<b>Total Credits offered</b>						<b>20</b>

# Level 2 Religious Studies

## Qualification:

NCEA Level 2 Achievement Standards - This subject provides you with the opportunity to gain credits towards the National Certificate of Educational Achievement.

## Course Requirement:

Level 1 Literacy

## Course Description:

Students will be encouraged and provoked to examine core individual beliefs and develop a deeper understanding of God's word to share with others. Their knowledge of the formation of the Christian church will allow them to engage in relevant issues that broaden their perspectives of their own spiritual journeys and how this can transform their communities. These values of forgiveness, grace and salvation will teach students to understand the eternal love Christ has for each of them.

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

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
AS 90822	2	2	6	L	Explain how a contemporary social action derives from the ethical principles of a religious tradition	Internal
AS 90823	2	2	6	L	Explain the key beliefs within two religious traditions in relation to a significant religious question	Internal
AS 91724	1	2	6	L	Explain a significant theme in a sacred text within a religious tradition	Internal
AS 90821	3	2	6	L	Explain the changes in an expression(s) of a religious tradition	Internal
<b>Total Credits offered</b>						<b>18</b>

# Level 2 Tourism

## Qualification:

National Certificate of Tourism

## Entry Requirements:

Level 1 Literacy

## Course Description:

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 2019, 3.88 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.

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

Standard No.	Version	Level	Credits	Lit/ Num	Full Title	Internal/ External
US 24728	1	2	3	-	Demonstrate knowledge of work roles in Tourism	Internal
US 24729	2	2	4	-	Demonstrate knowledge of world tourist destinations	Internal
US 24730	1	2	4	-	Demonstrate knowledge of the business of Tourism	Internal
US 24731	2	2	4	-	Demonstrate knowledge of destination New Zealand	Internal
US 24732	1	2	3	-	Demonstrate knowledge of Tourist characteristics and needs	Internal
US 24726	1	2	3	-	Describe the social and cultural impacts of Tourism	Internal
US 23767	1	2	2	-	Internet use in the workplace	Internal
US 18237	2	1	3	-	Perform calculations for a tourism workplace	Internal
<b>Total Credits offered</b>						<b>20</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 22 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 2021

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 3 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 1 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?

---

## **Ability**

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

---

## **Career Pathway**

What subjects do you need for the career you'd like to do in the future?

---

## **Qualifications**

What qualification/s do you need to achieve?

---

## **Pre-requisites**

Have you got the prior learning needed?

---

## **How I like to learn**

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

---

# 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. Have you checked degree / diploma / certificate requirements with the Careers Advisor? <input type="checkbox"/> Yes <input type="checkbox"/> No		

↓

**Year 12 Subjects NCEA Level 2**

Compulsory subjects:                      • Religious Studies                      • English

*My option subjects*

Pick **6** options in order of preference:

- First Choice: \_\_\_\_\_
- Second Choice: \_\_\_\_\_
- Third Choice: \_\_\_\_\_
- Fourth Choice: \_\_\_\_\_
- Fifth Choice: \_\_\_\_\_
- Sixth 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 credits</b>	<i>Vocational Pathways Award</i> <b>60 Level 2 credits from the recommended pathway(s)</b>	<b>20 credits must be from sector related standards</b>
<i>Gain 10 credits – Literacy    Gain 10 credits – Numeracy</i>		

## 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/>