



Northland College

Senior Curriculum 2021

Introduction

This book is designed to help you plan your courses for next year and beyond. As you enter and move through the senior school it is vital that you carefully consider what courses will enable you to progress on your desired pathway.

At Northland College we endeavour to provide our students with a flexible curriculum. We try hard to cater for all types of course combinations, so that students can be confident about being able to study the type of course they wish, year by year. Please take your time reading through this booklet as your choice of course will largely dictate our options structure for the following year.

Required subjects

In **Year 11** students take Mathematics, Science and either or both of te reo Māori and English.

In **Year 12** only te reo Māori or English are compulsory. Students may take both of these subjects.

In **Year 13** students are free to select five subjects, but will receive guidance to ensure courses are appropriate to the goals and strengths of the student.

Entry requirements

In Years 11, 12 and 13 class placement depends mainly on the choice of subjects a student has made, and that they meet entry requirements if there are any. Entry requirements set a minimum level of performance required in a previous year and are designed to guide, not limit students' choices.

Class sizes and subject selection

It is very important that the level of staffing we have matches the demand for subjects. Option subjects will operate only if they meet a suitable class size. While we hope that it does not occur, it is possible that some students may not get all of their preferred options, and this is why you must provide more than the minimum number when making your selections.

Decision making

Students and parents should read this book and keep it for future reference. It is important to discuss option choices before making a final selection. Students are encouraged to utli. We work hard to provide a course of study that meets the needs of each and every student and consultation and guidance are available.

For any student who wishes to change subjects during the year, changes are possible only if the courses are not full and if the new choices fit the option lines. There will also be some consideration given to the number of assessments completed in the original course and the number remaining in the new course.

Key Staff

Educational Leadership team

Principal	Matua John Kendal
Deputy Principal.	Matua Richard McLaren
Assistant Principal	Whaea Sarah Kendal
Senior Dean	Whaea Patricia Simeon

Deans - 2021

Year 13	Whaea Patricia Simeon
Year 12	Whaea Prineet Clarke
Year 11	Whaea Ariana Dalton

Heads of Learning Areas

Academies	Whaea Geraldine Tilly
Creative Arts	Whaea Jenn Burrows
English	Whaea Maria Thomas
Mathematics	Matua Wiringi Timoko
Physical Education	Matua Sean Henwood
Science	Whaea Kelly Bunce
Social Science	Matua Andrew Peters
Te Puna Māori	Whaea Kristina Te Whata

Learning Support

SENCO	Whaea Tracy McLaren
Counsellor	Matua Tohu Pou
Counsellor	Matua Mike Norman
Careers Advisor	Whaea Wendy Wright

Curriculum Statement

Northland College's vision is: To enable all learners to succeed.

This means we work towards providing subjects and targeted learning for all students that enter our gates. We are looking to develop our relationships with whānau and community to ensure our learning is place-based and relevant to the aspirations of our whānau.

Our curriculum is designed to meet the needs of our students. We endeavour to cater for our students' diverse interests, abilities, passions and needs to enable all students to succeed.

We have based our junior and senior programmes on the New Zealand Curriculum. Junior classes are integrated across learning areas with explicit teaching of the Key Competencies:

- Thinking
- Understanding symbols, language and texts
- Relating to others
- Managing self
- Participating and contributing

Our senior programmes are based on traditional subjects in a single teacher type environment.

Our curriculum practice is underpinned by our school values of:

Mana tangata

All ākonga have the right to learn, and kaiako have the right to teach. Every member of our school has the right to be in a safe environment and to achieve this we all have responsibilities we need to meet.

Kawenga ako

Ākonga and kaiako both need to be prepared for learning to occur, and we appreciate the role that whānau, hapū and iwi have to play in learning.

Whanaungatanga

In order for people to work together successfully we need to practice courtesy and gratitude. We treat each other with respect.

Aroha

We teach the importance of kindness and the collective responsibility we have to look after our environment.

Vocational Pathways

Vocational Pathways Education is designed to ensure all learners are engaged in relevant, meaningful education to raise levels of achievement and enable more successful transitioning to higher levels of education. It is valuable for all students to find out which pathway they are best suited to in order to help them make more informed choices about further study or training.

The six Vocational Pathways are:

Primary Industries

Services Industries

Social and Community Services

Manufacturing and Technology

Construction and Infrastructure

Creative Industries

Achieving NCEA Level 2 is the foundation for success in further education and the world of work. The Vocational Pathways provides a framework for you to show how your learning and achievement is valued in the workplace.

The Level 2 Vocational Pathways Award is a distinct advantage when looking for work and training opportunities in the sector.

To gain a VPA students must:

Achieve NCEA Level 2

Meet the NCEA Literacy and Numeracy requirements

Gain 60 Level 2 credits from recommended standards including at least 20 from sector related credits

Northland College Curriculum

Compulsory subjects

Subject	Year 9	Year 10	Year 11	Year 12	Year 13
Te reo Māori			EITHER OR BOTH	EITHER OR BOTH	
English					
Mathematics					
Science					
Health Education					
Physical Education					
Social Studies					
Technology					
Creative Arts					
Performing Arts					

Course selection

As students progress through the school the number of course selections they can make increases.

Year 9: All students complete all taster courses.

Year 10: Students can select four taster courses.

Year 11: Students can select two or three subjects.

Year 12: Students can select four or five subjects.

Year 13: Students select five subjects.

Entry requirements

Year 11 subjects are open to all students, however once course selection is done there is some review to ensure that students have picked courses that will allow them to succeed in NCEA. Students may be required to meet with their Dean prior to course confirmation.

Year 12 and Year 13 subjects will require students to have already successfully completed the relevant course at a lower level. Student's who do not meet this requirement will need approval from the appropriate Head of Learning and their Dean.

For entry into the Trades and Services Academies, students need to have gained Literacy and Numeracy in NCEA and complete a formal application.

The National Certificate of Educational Achievement

Level 1

For many students, Year 11 will be the first year that they begin the journey through completing the major secondary school qualification of NCEA.

Each year students will work towards this qualification at Level 1, Level 2 or Level 3; each more challenging than the previous year. It is completed by gaining 80 credits, that are gained by successfully completing Achievement or Unit Standards.

Level 1 NCEA is about developing a broad understanding in a number of different areas. Students will be exposed to many new ideas and concepts and be expected to develop a basic understanding of these. The time for specialisation and detailed understandings will come later in their NCEA journey.

High performing students are able to demonstrate their mastery with the attainment of Merit and Excellence endorsements. These read very well for prospective employers and tertiary institutions.

We appreciate that this change to 'high stakes' assessment can be challenging for some of our students; and we provide additional assistance from Deans, Guidance Counsellors and for selected students, targeted mentoring and tracking.

For some of our students, with specific learning needs, our Learning Support Team can determine if students need Special Assessment Conditions. These can take the form of a Reader/Writer for assessments, or additional time in examinations. Please speak with Whaea Tracy McLaren if you believe this could be of help to you.

Required subjects

Year 11 students must take either, or both of, te reo Māori and English

11 Te reo Māori (11REO)

18 internal credits 12 external credits
L1 literacy (10+ credits)

Te reo o Tōna Ao is the focus of NCEA Level 1. This course builds on from the junior Māori curriculum, where ākonga (students) are listening, presenting, reading, speaking and writing in formal and informal situations about traditional and/or contemporary issues that impact on their lives. This course will also introduce students to the appreciation of the Māori language, culture, values and tikanga and prepare students for study of te reo at Level 2.

11 English (11ENG)

17 internal credits 4 external credits
L1 literacy (10+ credits)

This course focuses on building upon the skills students have learned in junior English and further develops their language skills to prepare them for NCEA assessment.

11 Mathematics & Statistics (11MAT)

17 internal credits 12 external credits
L1 Numeracy (10+ credits) L1 literacy (7 credits)

This course comprises topics from the strands-Algebra & Number, Geometry & Measurement and Statistics. Students' mathematical knowledge and skills are extended through problem solving and applications in all curriculum strands.

11 Science (11SCI)

16 internal credits 12 external credits
L1 Numeracy (10+ credits) L1 Literacy (8 credits)

Students gather science knowledge and skills from a broad coverage of topics from all Science areas. This enables them to make informed decisions about how science relates to their own lives and cultures and to the sustainability of the environment. Successful completion of this course allows selection of one (or more) science subjects at Level 2.

Year 11

Creative Arts

11 Art (11ART)

18 internal credits 12 external credits

In this course students are learning about a variety of Art media and how they can relate their work to the theme of “NZ Icons”. As students progress they will gain confidence in their abilities to produce high quality work and learn about the conventions in Art, Photography and Design. It is important for students to gain confidence in their abilities and learn about their strengths before they progress it is in the higher levels that they specialise more to Art or Photography.

11 Music (11MUS)

16 internal credits
L1 literacy (6 credits)

In Music students will develop their skills and confidence resulting in performances as a part of a group and as a solo artist. Composition and theory skills will be practiced with students having to compose and perform their own pieces to small audiences.

Health and Physical Education

11 Health (11HED)

14 internal credits 4 external credits
L1 Literacy (10+ credits)

Year 11 Health will give students a better understanding of the concept of Hauora. Highlighting areas of teenage life that may impact on personal Hauora and ways they can manage their own well-being. While enabling the students to create a strong base for success in Level 2 Health.

11 Physical Education (11PED)

17 internal credits
L1 literacy (5 credits)

Year 11 Physical Education will give students a snapshot look at the fast growing industry that is sport and recreation. While enabling the students to create a strong base for success in Level 2 Physical Education.

Science

11 Horticulture (11HOR)

24 internal credits 5 external credits
L1 Literacy (8 credits) L1 Numeracy (4 credits)

This course covers The Plant World – including the structure, function and processes plants carry out in order to survive. Students develop their understanding of growing media and plant husbandry and the effects that this has on plant health. Finally students receive an introduction to ornamental design and growing.

Social Science

11 Business Studies (11BUS)

15 internal credits 4 external credits
L1 Literacy (10+ credits)

The study of business is about how individuals and groups of people organise, plan and act to create and develop goods and services to satisfy customers. Students will develop a business in school and sell their product on a market day. Group work, work ethic and commitment are characteristics required by students.

11 Geography (11GEO)

13 internal credits 8 external credits
L1 Literacy (10+ credits) L1 Numeracy (8 credits)

Students will explore how societies work and how they can participate and take action as critical, informed, and responsible learners. Geographers study the natural processes of the physical environment, as well as the activities and consequences of humans in this environment. Students who choose 11GEO will develop a wide understanding of what is on, above and below the earth’s surface. Geography is all about trying to make sense of the complex real world – both natural and cultural.

11 History (11HIS)

12 internal credits 8 external credits
L1 Literacy (10+ credits)

This course will prepare students to create a strong base for success at NCEA Level 2 History. To encourage students to derive enjoyment and satisfaction from learning about New Zealand and World History, being able to research and find information about a chosen topic and developing their descriptive writing skills.

Technology

11 Digital Technologies (11DIG)

15 internal credits 3 external credits

L1 Literacy (10+ credits)

In this course students will begin to develop skills that would suit them in any career where they would be required to interpret client wishes and produce a solution for that client. Students will practice these skills in real-world settings, producing digital outcomes such as game worlds and websites.

11 Food Technology (11FTE)

16 internal credits

L1 literacy (6 credits)

In Food Technology students will realise the develop their own series of meals for a specific function. In the second half of the year students will improve on their food preparation skills across a number of different food types and styles.

11 Fashion Design (11TEX)

22 internal credits

3 external credits

The aim of the Fashion Design course is for students to develop their design and practical fashion skills and creativity when working with fabrics. Students will use their creative design thinking to produce authentic pieces of work to be exhibited in a school showcase. This subject allows students to study in an area that will be of interest to them and includes technological activities that use a creative and 'hands on' approach to learning using textile materials and resources.

Te Puna Māori

11 Māori Performing Arts (11MPA)

14 internal credits

This course will explore traditional and contemporary Māori performing arts. Students will gain an in-depth knowledge and understanding of this art form and its origins. Assessments are connected to the following disciplines; poi, haka, waiata ā-ringa, mōteatea, and kākahu (clothing).

Year 12

The National Certificate of Educational Achievement

Level 2

The Level 2 qualification is a chance to consolidate on the skills and knowledge introduced in the previous year. Some students may be working on a multi-level certificate in 2021 if they did not quite gain enough credits in 2020.

Students gain a greater degree of freedom in course selection, and are expected to have consulted with whānau and their pastoral team before selecting options. Changes to courses become much harder from Year 12 as there are less instances of subjects running and therefore less flexibility.

We encourage students to keep a broad range of subjects, to allow for the possibility of multiple pathways on leaving Northland College. Very few careers or study pathways require complete specialisation at this level.

There is a greater belief that students can meet expectations on their own. Work will require a significantly higher level of understanding to meet the Achieved level, and may require more time spent outside the classroom.

Year 12 is also the first year at which our students can access the Trades and Services Academy programme. These courses see students commit the majority of their learning time into developing industry related skills; with the intention of transitioning into apprenticeships and employment.

Required subjects

12 Te reo Māori (12REO)

16 internal credits 12 external credits
L1 literacy (10+ credits)
UE Literacy credits available

Te Reo o Te Ao Torotoro is the focus of NCEA Level 2. Ākonga (students) are listening, presenting, reading, speaking, and writing in formal and informal situations about traditional and contemporary issues that impact the community and the nation. Supported by their own research, ākonga are expressing their ideas and opinions, supported by evidence, on familiar and unfamiliar issues. This course will also deepen the appreciation of the Māori language, culture, values and tikanga and prepare students for study of te reo at Level 3.

12 English (12ENG)

21 internal credits 8 external credits
L1 literacy (10+ credits)
UE Literacy credits available

This course focuses on building upon the skills students have learned in Level 1 English, and further develops their productive and receptive language skills to prepare them for NCEA Level 3 and tertiary education. The course aims to give students the opportunity to gain the English criteria for university entry.

Academies

12 Agriculture (12AGR)

73 internal credits

In Agriculture, the students will learn the basics of running a dairy farm. Covering everything needed in the day to day operating tasks through to ongoing maintenance tasks that provide a smooth running farm. The course is delivered as a mix of computer based theory and assessments. And also practical work experience on the school farm. Students will need to attend assessment days offsite.

12 Carpentry (12CAR)

60 internal credits

This course is designed to help individual students achieve unit standards. And set a pathway into the industry either in carpentry, joinery, furniture making and design, quantity surveying or architecture.

12 Hospitality (12HOS)

42 internal credits

In 12 HOS students join to learn skills that will give them a career for the future. A great opportunity to eat their way around the world. Earn credits from barista skills to event management, knife skills, kitchen health and safety and lots of practical tasks.

12 Services (12SRV)

33 internal credits

L1 Literacy (8 credits)

L1 Numeracy (4 credits)

Our course provides an opportunity for students to push individual boundaries, find new physical and mental limits, to encourage teamwork, discipline, and competitiveness and to develop confident, self-initiating, motivated, physically fit potential leaders and role models. Students have indicated a possible career pathway in the Services or it has been identified that they will benefit from completing the course.

Creative Arts

12 Art (12ART)

12 internal credits

12 external credits

In level 2 Art students are able to specialise with their skills and start to take ownership of their work. Students are able to choose their own theme this year and work in producing work alongside that theme until the end of the year. Students are working extra hard on perfecting their practical skills this year. Students get the opportunity to work on a small mural for the school.

12 Music (12MUS)

14 internal credits

L1 literacy (6 credits)

In Music students will develop their skills and confidence resulting in performances as a part of a group and as a solo artist. Composition and theory skills will be practiced with students having to compose and perform their own pieces to small audiences.

12 Photography (12PHO)

12 internal credits

12 external credits

Students continue to develop their confidence now more focused on the camera and their photography skills. Students take photos on the farm and available areas as well as learn how the conventions relate to photos taken. Students continue to produce top quality work as they progress in their achievement standards of work.

Health and Physical Education

12 Health Education (12HED)

14 internal credits

4 external credits

L1 literacy (10+ credits)

Year 12 Health continues to highlighting areas of teenage life that may impact on personal Hauora and ways they can manage changes that occur during their lives. While enabling the students to create a strong base for success in Level 3 Health.

Year 12

12 Physical Education (12PED)

22 internal credits
L1 literacy (10+ credits)

This course focuses on building upon the skills students have learned in Level 1 Physical Education, and further develops their ability to apply these skills in real life contexts. This to prepare them for NCEA Level 3 and tertiary education.

Mathematics

12 Mathematics and Statistics (12MAT)

13 internal credits 4 external credits
L1 Literacy (4 credits) L1 Numeracy (10+ credits)

This course covers a wide range of topics enabling students to further develop their knowledge and skills in the following strands: Number & Algebra; Measurement & Geometry; and the Statistics.

Science

12 Biology (12BIO)

14 internal credits 5 external credits
L1 Literacy (8 credits) L1 Numeracy (4 credits)
UE Literacy credits available

The Year 12 Biology course is based on three main topics of life processes, ecology and evolution. Along with learning the practical and experimental nature of the subject, students will also learn to communicate using the language of biology. Logical thinking and research techniques are transferable skills that are also developed.

12 Chemistry (12CHE)

13 internal credits 9 external credits
L1 Literacy (8 credits) L1 Numeracy (4 credits)

Chemistry develops an understanding of the theories that allow us to explain the behaviour of the materials that make up our world – including new materials in the areas of nanotechnology, pharmaceuticals and revolutionary new structural materials. A knowledge of chemistry is also necessary to understand everyday issues such as climate change, genetic modification, forensic evidence and to be able to evaluate the risks associated with a range of chemicals – both naturally occurring and synthetic.

12 Horticulture (12HOR)

20 internal credits 4 external credits

In 12 Horticulture students will continue to develop their skills and knowledge in horticulture, using the equipment needed correctly and safely. From digging their garden, testing the soil, adding the correct nutrients so their crop will grow at its optimum, grow from seed to transplanting into ground to fertilising throughout growth, pest and disease control, and harvesting crops.

12 Physics (12PHY)

12 internal credits 8 external credits

In this course you will find learn about:

- How the eye produces images.
- How light waves can interfere to produce darkness.
- How nuclear radiation is used in medicine.
- The best angle to throw a ball.

And a whole range of other cool stuff!

Social Science

12 Business Studies (12BUS)

12 internal credits 4 external credits
L1 Literacy (10+ credits) L1 Numeracy (3 credits)

This course provides a broad coverage of Level 2 Business Studies supported by the Young Enterprise Scheme and leads to Level 3 Business Studies

12 Geography (12GEO)

17 internal credits 8 external credits
L1 Literacy (10+ credits) L1 Numeracy (8 credits)
UE Literacy credits available

Students will explore how processes and people's perceptions of and interactions help to shape natural and cultural environments; how they change over time, vary in scale, from place to place and create spatial patterns.

12 History (12HIS)

14 internal credits 10 external credits
L1 Literacy (10+ credits)
UE Literacy credits available

This course will prepare students to create a strong base for success at NCEA Level 2 History. To encourage students to derive enjoyment and satisfaction from learning about New Zealand and World History, being able to research and find information about a chosen topic and developing their descriptive writing skills.

Technology

12 Automotive (12AUT)

20 internal credits

If you want to get into the Automotive Industry as a mechanic, then this course is the best place for you!

This taster course will help prepare you for the industry and teach you some of the automotive engineering fundamentals that you will need to know. Hands-on practical workshops and work experience placements are an essential part of this course.

12 Digital Technologies (12DIG)

16 internal credits 3 external credits
L1 Literacy (10+ credits)

In this course students will begin to focus on specific digital pathways that interest them and develop industry related skills to suit. There is an expectation on working with clients and developing digital products that fulfill their needs. The ability to access a digital device outside of school will be an advantage in this course.

12 Engineering (12EGR)

21 internal credits 15 external credits
L1 literacy (10+ credits) L1 Numeracy (10+ credits)

Students study a combination of Calculus, Physics and Technology standards while working on projects closely related to their learning in NCEA. There is a strong academic AND practical aspect to this course and it is aimed chiefly at those considering Tertiary study and Engineering.

12 Fashion Design (12TEX)

14 internal credits 7 external credits

The aim of the Fashion Design course is for students to develop their design and practical fashion skills and creativity when working with fabrics. Students will use their creative design thinking to produce authentic pieces of work to be exhibited in a school showcase. This subject allows students to study in an area that will be of interest to them and includes technological activities that use a creative and 'hands on' approach to learning using textile materials and resources.

Te Puna Māori

12 Māori Performing Arts (12MPA)

14 internal credits

This course will explore traditional and contemporary Māori performing arts. Students will gain an in-depth knowledge and understanding of this art form and its origins. Assessments are connected to the following disciplines; poi, haka, waiata ā-ringa, mōteatea, and kākahu (clothing).

Transition

12 Pathways (12PAT)

17 internal credits

Pathways is a class that involves both a five - ten day Gateway placement, and the option to do varying Unit Standards which enable students to have a clearer understanding of their career pathways, and gain skills which will enable them to live in the world of work. GATEWAY is a direct method for tamariki to experience and explore career opportunities.

Year 13

The National Certificate of Educational Achievement

Level 3

Students working at Level 3 are actively preparing themselves for studying at tertiary level or completing an apprenticeship trade-based training with a specific qualification in sight.

To achieve at Level 3, students need to show self-motivation and a willingness to seek help when it is needed. Students will need to draft and rework written material multiple times before submission; or spend hours practicing a skill before being assessed.

Their Dean, and our Careers advisor, will be in communication with the students through the year to ensure that their goals are being worked towards.

Academies

13 Agriculture (13AGR)

98 internal credits

In 13 Agriculture the students are more involved with the farm and given responsibility with completing tasks correctly and efficiently. Students also develop an understanding of pasture management and the importance of it. They must also monitor animal behaviour, and prevent and treat animal health issues. Students also manage pest control as it is part stock feed management.

13 Carpentry (13CAR)

41 internal credits

In 13 Carpentry, students design their own learning and achievements. The course is delivered as a mix of theory and practical assessments and it is set up so the students will be better prepared for an apprenticeship or employment in the construction industry.

13 Hospitality (13HOS)

50 internal credits

In 13 Hospitality, students develop their skills and increase their knowledge for furthering their education or to gain a career in the hospitality. This year involves learning techniques for a restaurant/commercial kitchen.

13 Services (13SRV)

24 internal credits

Our course provides an opportunity for students to push individual boundaries, find new physical and mental limits, to encourage teamwork, discipline, and competitiveness and to develop confident, self-initiating, motivated, physically fit potential leaders and role models. Students have indicated a possible career pathway in the Services or it has been identified that they will benefit from completing the course.

Creative Arts

13 Art (13ART)

12 internal credits 14 external credits

Approved for University Entrance

UE Literacy credits available

Students establish more clarity in their abilities to produce top quality work. Considering work completed in the past courses students are able to push their ideas further and start to push the boundaries of traditional Art making methods and processes. Students complete three internals and one external for this course.

13 Music (13MUS)

18 internal credits

Approved for University Entrance

UE Literacy credits available

In Music students will develop their skills and confidence resulting in performances as a part of a group and as a solo artist. Composition and theory skills will be practiced with students having to compose and perform their own pieces to small audiences.

13 Photography (13PHO)

12 internal credits 14 external credits

Approved for University Entrance

UE Literacy credits available

Developing their skills in relation to the conventions of Photography. Students are able to learn how to work in a group and individually on their Photography skill. Ideas begin to clarify in their work as they progress in the course. Students produce multiple shoots in relation to a series as well as a final three piece folio board.

English

13 English (13ENG)

16 internal credits 8 external credits

Approved for University Entrance

UE Literacy credits available

This course is a specialist English course for students who enjoy the study of English literature. It has a strong literary component and focuses on critical analysis of written texts as well as improving writing skills. Students must enjoy and be willing to read and analyse complex texts.

Health and Physical Education

13 Physical Education (13PED)

16 internal credits

Approved for University Entrance

This course focuses on building upon the skills students have learned in Level 1 Physical Education, and further develops their ability to apply these skills in real life contexts. This course will prepare students to create a strong base for success at Tertiary Level if they chose to pursue this.

Mathematics

13 Mathematics and Statistics (13MAT)

14 internal credits

Approved for University Entrance

This course is a combination of achievement standards from both the Calculus and Statistics strands. Students will develop skills in Linear programming, Bivariate data analysis, Formal Inference analysis and applying systems of Simultaneous equations to solve problems

Science

13 Biology (13BIO)

13 internal credits

13 external credits

Approved for University Entrance

UE Literacy credits available

The Year 13 Biology course builds on the work covered in Level 2 Biology and is based on three main topics of life processes, ecology and evolution. Along with learning the practical and experimental nature of the subject, students will also learn to communicate using the language of biology. Logical thinking and research techniques are transferable skills that are also developed.

13 Chemistry (13CHE)

10 internal credits

5 external credits

Approved for University Entrance

UE Literacy credits available

Chemistry is often called the central science as chemical principles underpin both the physical environment in which we live and all biological systems. This course expands and extends the understanding of fundamental chemical concepts introduced in Level 2 Chemistry. It is designed to provide the understanding necessary for tertiary level studies

Year 13

13 Physics (13PHY)

7 internal credits 16 external credits
Approved for University Entrance

The Level 3 Physics course builds on the concepts studied in Year 12 Physics with some new topics including Quantum Physics and Relativity. In this course you will find out: Why musical instruments sound different, how rainbow glasses work, why you don't fall off at the top of a roller coaster and a whole range of other cool stuff!

Social Science

13 Business Studies (13BUS)

15 internal credits 4 external credits
Approved for University Entrance
UE Literacy credits available

This course provides a broad coverage of Level 3 Business Studies supported through the Young Enterprise Scheme and can lead to University Entrance and/or small business owner.

13 Geography (13GEO)

14 internal credits 8 external credits
Approved for University Entrance
UE Literacy credits available

Students will explore how processes shape natural and cultural environments, occurrence at different rates and on different scales, and create spatial variations and understand how people's diverse values and perceptions influence the environmental, social and economic decisions and responses they make

13 History (13HIS)

10 internal credits 10 external credits
Approved for University Entrance
UE Literacy credits available

Assessments at this level encourage students to understand developments in world history in the later 18th and early 19th centuries and their impact on dramatic events in Aotearoa - especially in Te Tai Tokerau, but also elsewhere. We will look at the careers of two important and controversial military leaders, Hongi Hika and Te Rauparaha, and their impact upon Aotearoa in the earlier 19th century. Were these leaders skillful in adapting to a changing world or were they problematic and deeply disruptive for Māori society in Aotearoa?

Technology

13 Digital Technologies (13DIG)

16 internal credits 3 external credits
Approved for University Entrance
UE Literacy credits available

This course allows students to gain skills and experiences that will allow them to succeed in employment where they are designing and creating digital outcomes. There is the need for students to manage themselves and small groups, and to deal with real-world clients. Students will learn how to utilise specific applications that relate to the projects they work on

13 Engineering (13EGR)

20 internal credits 6 external credits
Approved for University Entrance
UE Literacy credits available

Students study a combination of Calculus, Physics and Technology standards while working on projects closely related to their learning in NCEA. There is a strong academic AND practical aspect to this course and it is aimed chiefly at those considering Tertiary study and Engineering.

13 Fashion Design (13TEX)

16 internal credits 8 external credits
Approved for University Entrance

The aim of the Fashion Design course is for students to develop their design and practical fashion skills and creativity when working with fabrics. Students will use their creative design thinking to produce authentic pieces of work to be exhibited in a school showcase. This subject allows students to study in an area that will be of interest to them and includes technological activities that use a creative and 'hands on' approach to learning using textile materials and resources.

Te Puna Māori

13 Māori Performing Arts (13MPA)

14 internal credits

This course will explore traditional and contemporary Māori performing arts. Students will gain an in-depth knowledge and understanding of this art form and its origins. Assessments are connected to the following disciplines; poi, haka, waiata ā-ringā, mōteatea, and kākahu (clothing).

13 Te reo Māori (13REO)

16 internal credits 12 external credits

Approved for University Entrance

UE Literacy credits available

Te reo o Te Ao Whānui is the focus of NCEA Level 2. Ākonga will extend their knowledge in reading, writing and speaking te reo Māori relating to topics from the wider world. The main aim of this course is to enable students with the necessary skills to understand and communicate effectively in te reo Māori. The course will also deepen the appreciation of the Māori language, culture, values and tikanga and prepare students for study of te reo at tertiary levels.

Transition

13 Pathways (13PAT)

17 internal credits

Pathways is a class that involves both a five - ten day Gateway placement, and the option to do varying Unit Standards which enable students to have a clearer understanding of their career pathways, and gain skills which will enable them to live in the world of work.