



# WAITAKI BOYS' HIGH SCHOOL



## SUBJECT INFORMATION GUIDE 2020

*LEVEL 1, 2, 3*

**RESPECT**

**RESILIENCE**

**MOTIVATION**

# Subject Choice: Information for students

## How to choose subjects:

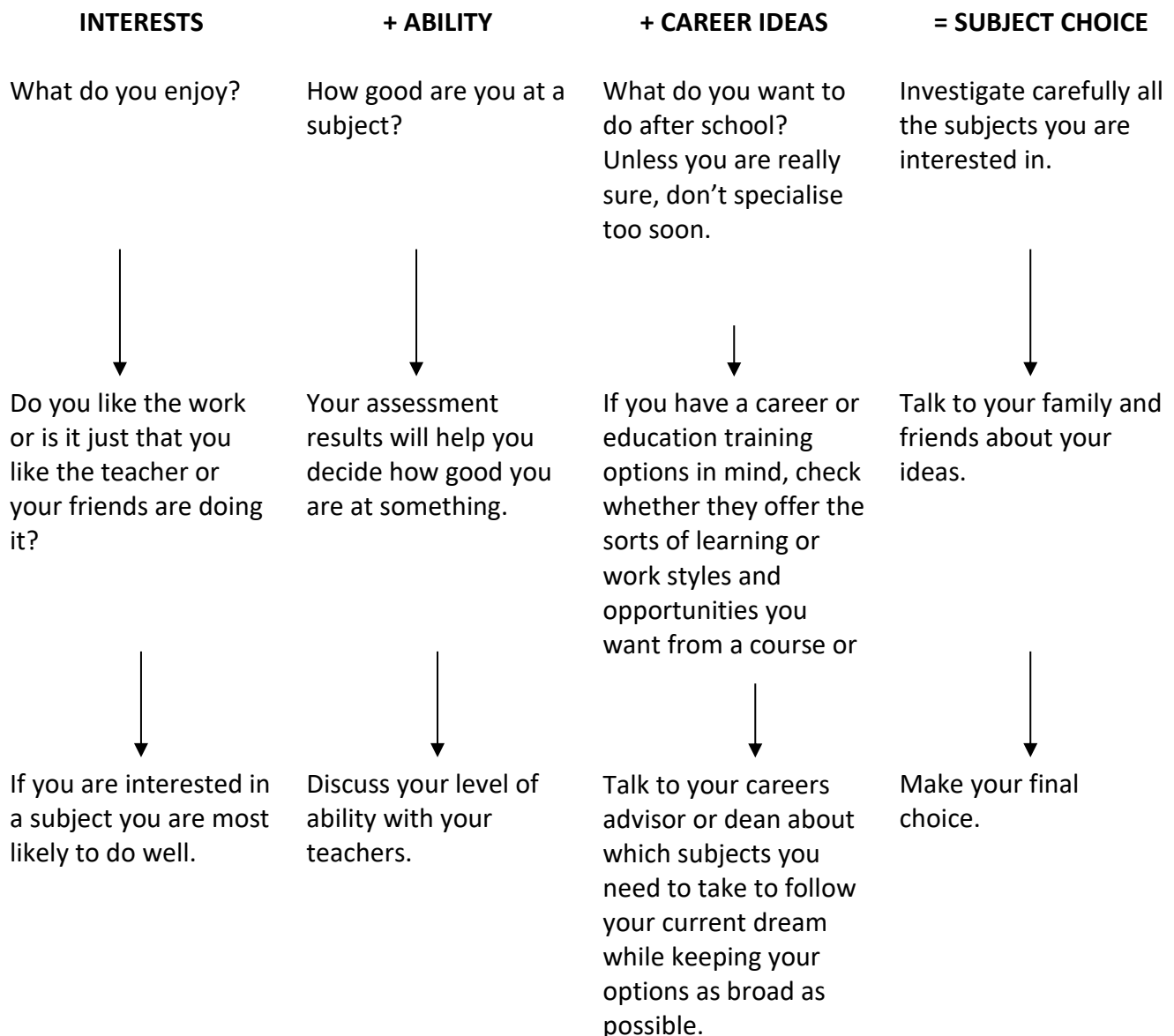
Subject choices are your first career choices. Check out <http://www.careers.govt.nz/education-and-training/still-at-school/step-by-step-guide-to-choosing-school-subjects/> for further advice.

Also refer to the “Where To” guides at the back of this booklet.

You should choose your subjects based on what you like and what you are good at. In general, you should aim to have a broad education at Year 11 and leave more specialized subjects until Year 12 or 13.

Some subjects have direct links to post-school pathways. If you think you may leave school before the end of Year 13, consider whether getting into further training or work might be easier if your course includes some vocational elements.

*Try using this diagram to help you decide what subjects to choose:*



**Remember, your choices are your future**

Do not take a subject just because your friends are taking it or you like the teacher

## To Parents and Students

### **SUBJECT CHOICE TIPS - Steps to making an informed decision:**

1.  Check out your career possibilities – will you keep your options open?
  - Work out all your current career ideas
  - Check out the subject requirements
  - Weigh up the 'essential' subjects, then the 'useful' subjects
2.  Think about your abilities – can you do well in these subjects?
3.  Talk to people who have taken the subjects you are considering. Study in detail the course outlines.
4.  Think about your interest levels – will you have the motivation?
5.  Talk it over with people who know you well, including teachers of any subjects you have to choose between.

### **Additional Course Costs**

These are compulsory, and are the actual costs for transport or take-home materials for which the school receives no government money. In some cases the school may be able to offer financial assistance – see Mr Mills, the Executive Officer, for more information.

**For NCEA at any level, the expected qualification fee structure for 2020 is**

\$383.30 for foreign fee paying students

### **Option Selections**

**Online option selection opens on the Kamar portal on Friday 23<sup>th</sup> August and closes on Friday 6<sup>th</sup> September. Complete the Course Selection on the Kamar Portal.** If you are unable to access Kamar, please tear off the form on the back page of the course booklet, complete and return **by 6<sup>th</sup> September 2019**. Please take time to create a set of options that best suit your future requirements and career pathways. **The HOD/TIC will check each selection and advise you if you do not meet the prerequisite.**

**Pre-requisites** – Very carefully check that you are likely to have the required pre-requisites for your subject choices. The results from the recent school exams and assessments will be used as indicators of achievement with regards to pre-requisites.

- **At Level 1** – English, Maths, Science are compulsory. Choose 3 other subjects and an alternative.
- **At Level 2** – Choose 6 subjects and an alternative.
- **At Level 3** - Choose 5 subjects, and an alternative; The 6<sup>th</sup> option is a choice from PE Fitness Course (PED302) or Study (STU301).

## THE NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT (NCEA)

The NCEA is the national school qualification.

### *Requirement*

Level 1	80 credits (including 10 literacy credits and 10 numeracy credits)
Level 2	80 credits (including 60 at Level 2 or above)
Level 3	80 credits (including 60 at Level 3) Note that this is different to the requirements for University Entrance.

- Each subject at each level is made up of a number of *standards*.
- Each standard, if passed, generates a number of *credits* towards the NCEA at a particular level.
- In each subject around 20-24 credits a year may be gained.
- A student taking six subjects is therefore eligible for up to 144 credits if he passes all standards. (Some students do extra work and gain even more).

## UNIVERSITY ENTRANCE

You will have University Entrance when you have obtained:

14 credits at Level 3 or higher in an approved subject.	<b>Plus</b> 14 credits at Level 3 or higher in a second approved subject	<b>Plus</b> 14 credits at Level 3 or higher in a third approved subject
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- NCEA Level 3 Certificate
- 10 credits in Numeracy at Level 1 or higher
- 5 credits at UE Literacy in Reading
- 5 credits at UE Literacy in Writing

Credits can be accumulated over more than one year. Where a unit standard and an achievement standard assess the same learning outcome they are mutually exclusive for the NCEA and university entrance purposes.

### **HOWEVER**

**University Entrance alone will not guarantee you a place in most university courses. Each University has its own entry criteria on the courses it offers.**

### **Where to get assistance:**

- Discuss options with your classroom teacher
- Contact the relevant HODS / TIC – their contact details are in this booklet
- Deans will be talking to students starting with the seniors options assembly on Tuesday 13<sup>th</sup> August. Followed by a senior coursing assembly during Tutor group on 22nd August.
- The HODs, TICs and the Rector will be holding Parent Information Evenings for all parents of 2020 senior students on Tuesday 27<sup>th</sup> August.
- Mentors will meet with students during mentoring sessions: [Yr 10 on Tuesday 20<sup>th</sup> and Yrs 11,12 on Tuesday 27<sup>th</sup>]
- Options close on 6<sup>th</sup> September.



# NCEA Business 101 (BUS 101)

## The Course:

- In Business at Level One you will develop skills with financial statements, cash budgets, you will process transactions – These are all important skills for those going into business or studying after school.
- You will also learn how an incident (good or bad) will affect all of the other sectors of the economy and what affects consumers in the market place.
- There is a focus on independent processing, reading and interpreting sources, and written communication. You will be required to complete work in class and at home in preparation for assessments.
- This leads into Accounting and Economics in levels 2 and 3.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90981	Make a financial decision for an individual or group	3 (Lit 1)	Term 1 Week 5
90977	Process financial transactions for a small entity	5	Term 2 Week 7
90988	Demonstrate understanding of the interdependence of sectors of the New Zealand economy	3 (Lit 1)	Term 2 Week 2
90978	Financial Statements and Cash Budget for sole proprietors.	5	External
90983	Demonstrate understanding of consumer choices, using scarcity and/or demand	4 ( Lit 1)	External

**Pre-requisites:** To be able to enter in this course will be based on your achievement record in **Social Studies** and **English** or at the discretion of the HOD of Social Sciences.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)



# NCEA Accounting 201 (ACC 201)

## The Course:

- In Accounting at Level Two you will continue to develop your skills with financial statements and analysis and interpretation, will be building on the processing from Level One using MYOB computer programme and processing and interpreting accounts receivable and inventory of a business.
- There is an increased focus on independent processing, reading and interpreting sources, and written and verbal communication. You will be required to complete work in class and at home in preparation for assessments.
- This course can be picked up by a student who has not done Accounting 101 if he is motivated and at the discretion of the Head of Department.
- This course gives a number of good business skills that will help when you leave school or study further.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91175	Demonstrate understanding of accounting processing using accounting software	4 (Num)	Term 3 Week 5
91179	Demonstrate understanding of an accounts receivable subsystem for an entity	3 (Num, Lit 1)	Term 2 Week 1
91386	Demonstrate understanding of an inventory subsystem for an entity	3 (Num, Lit 1)	Term 1 Week 7
91176	Prepare Financial Information for an entity that operates accounting subsystems	5 (Num)	External
91868	Demonstrate understanding of cash flow forecasting for a business.	4	Term 3 Week 9

Pre-requisites: To be able to enter in this course you will need to have at least 12 Credits (including at least one external standard) at either Level One Accounting/Economics or English or at the discretion of the Head of Department.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)

# NCEA Accounting 301 (ACC 301)



## The Course:

- In Accounting at Level Three you will develop your skills with financial statements for a company and a partnership, and you will be interpreting a company financial statement, job costing and management decision making.
- There is an increased focus on independent processing, reading and interpreting sources, and written and verbal communication. You will be required to complete work in class and at home in preparation for assessments.
- This course can be picked up by a very motivated and able student who has not done Accounting 201 at the discretion of the Head of Department.
- This course gives a number of good business skills that will help when you leave school or study further.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91405	Demonstrate understanding of accounting for partnerships	4 (Num)	Term 1 Week 9
91407	Prepare a report for an external user that interprets the annual report of a New Zealand reporting company	5 (Num, UE Lit)	Term 2 Week 4
91409	Demonstrate understanding of a job cost subsystem for an entity	4 (Num, UE Lit)	Term 3 Week 8
91406	Demonstrate understanding of company financial statement preparation	5 (Num)	External
91408	Demonstrate understanding of management accounting to inform decision making	4 (Num UE Lit)	External

Pre-requisites: To be able to enter in this course you will need to have at least 12 Achievement Standards (including at least one external standard) at either Level One Accounting or at the discretion of the Head of Department.



# Agriculture 102 (AGR102)

## The Course:

- In Primary Production Level One, you will study a combination of practical and theory unit standards. Topics covered include Farm Safety, Vehicles, Basic Fencing, Feed Budgeting, Soil Science and Practical Farm Skills. This builds on Year 10 Agriculture. The emphasis is on farm safety.
- There is an increased focus on understanding the “why” behind the topics and integrating previous knowledge from Year 10 and your own experiences. You will be required to complete work in class and at home in preparation for assessments. Some weekend work may be required.
- Where possible an endorsement is available (please discuss with TIC Agriculture

Standard No.	Standard Title	Credits	Assessment Timeframe
US27602	Ride a quad bike on a flat terrain under close supervision	3 (Level One)	Term 1,2,3
US27608	Drive a basic tractor under close supervision	3 (Level One)	Term 1,2,3
US561	Install and dismantle temporary electric fences	2 (Level Two)	Term 1,2, 3
	Fraser Farm Fencing	NA	Term 3
	Fraser Farm Practical Farm Safety	NA	Term 1
US24542	Demonstrate knowledge of the impact of an agriculture system on soils (option 2)	3 (Level Two)	Term 2/3
AS90919	Demonstrate knowledge of soil management practices (option 1)	4 (level one)	Term 4 External
AS90157	Demonstrate practical skills used in agricultural or horticultural production	4 (level One)	Ongoing Internal
AS90160	Demonstrate knowledge of impact on the environment	3 (Level One)	Optional Internal

The Health and Safety unit and Fencing units are non-credit based.

Extension: Unit standards are available in dairying, specifically milking

Pre-requisites: It is preferable that you have taken Agriculture on Year 10

TIC Agriculture: Miss E Prentice – [elizabethp@waitakibhs.school.nz](mailto:elizabethp@waitakibhs.school.nz)



## Agribusiness 302 (AGB302)

### The Course:

- In Agribusiness Level Three you will study a combination of practical and theory achievement standards.
- The focus is on understanding the “why” behind the topics and integrating previous knowledge and your own experiences.

The following standards are available to you

Standard No.	Standard Title	Credits	Assessment
91528	Carry out an extended practical agricultural or horticultural investigation	4	Internal
91529	Research and report on the impact of factors on the profitability of a New Zealand primary product	4	Internal
91532	Analyse a New Zealand primary production environmental issue	5	External
91382	Conduct market research for a new or existing product	3	Internal

Pre-requisites: It is preferable that you have taken Agribusiness Level 2

TIC Agriculture: Miss E Prentice – [elizabethp@waitakibhs.school.nz](mailto:elizabethp@waitakibhs.school.nz)

## Agribusiness 202 (AGB202)



### The Course:

- In Agribusiness 202, you will study a combination of practical and theory achievement standards.
- The focus is on understanding the “why” behind the topics and integrating previous knowledge and your own experiences.

The following standards are available to you

Standard No.	Standard Title	Credits	Assessment
91298	Carry out an extended practical agricultural or horticultural investigation	4	Internal
91293	Demonstrate understanding of livestock reproductive techniques in commercial production in New Zealand	4	Internal
91294	Demonstrate understanding of how NZ commercial management practices influence livestock growth and development	4	External
90846	Conduct market research for a new or existing product	3	Internal

Pre-requisites: It is preferable that you have taken Agriculture in Level One  
TIC Agriculture: Miss E Prentice – [elizabethp@waitakibhs.school.nz](mailto:elizabethp@waitakibhs.school.nz)



# Agriculture 202 (AGR 202)

## The Course:

- In Agriculture Level Two, you will study a combination of practical and theory unit standards.

Topics covered include

- Vehicles
- Weed and Pest control
- Livestock handling
- Fencing
- Practical farm skills
- Chainsaws
- 
- All unit standards are Level Two.
- The focus is on understanding the “why” behind the topics and integrating previous knowledge and your own experiences. There is also a strong emphasis on farm safety.
- You will be required to complete work in class and at home in preparation for assessments. Some weekend work may be required.
- The exact standards covered over the year has not been finalised and will depend on the interests of the boys.
- A vehicle log is required for the vehicle unit standards

Extension: . Level Two milking is available.

Pre-requisites: It is preferable that you have taken Primary Production in Level One or Two.

TIC Agriculture: Miss E Prentice – [elizabethp@waitakibhs.school.nz](mailto:elizabethp@waitakibhs.school.nz)

# Agriculture 302 (AGR 302)



## The Course:

- In Agriculture Level Three, you will study a combination of practical and theory unit standards. Topics covered include
  - Vehicles
  - Weed and Pest control
  - Animal Breeding
  - Pasture Production
  -
- All unit standards are Level Three.
- The focus is on understanding the “why” behind the topics and integrating previous knowledge and your own experiences. There is also a strong emphasis on farm safety.
- You will be required to complete work in class and at home in preparation for assessments. Some weekend work may be required.
- The exact standards covered over the year has not been finalised and will depend on the interests of the boys.

Pre-requisites: It is preferable that you have taken Agriculture in Level One or Two.

TIC Agriculture: Miss E Prentice – [elizabethp@waitakibhs.school.nz](mailto:elizabethp@waitakibhs.school.nz)



# ARA Courses (Dual Pathways) (ARA203)

## **Polytechnic Courses Year 12/13**

Ara offers our students a chance to work towards a career pathway in a number of vocational areas. These study options are for one or two days a week depending on the course selected. A number of these courses are situated in Timaru with transport being provided by ARA. In 2020 the following courses are available

### **Agricultural Engineering and Automotive L2 (Unit standards Course)**

This course provides students with an introduction to machining skills, welding and an understanding of engines. This course is quite hands, students produce products through machine work, get to strip down and repair small engines and will learn to do pre - WOF checks on vehicles.

### **Hospitality L2 and L3 (Unit Standard course)**

For those wanting to enter the hospitality industry the level 2 offers students the chance to develop their service industry skills. They will learn how to prepare food to cafe standards, barista skills and develop an understanding of running a business in the hospitality industry. The level 3 extends the skills further and leads into a career in the hospitality industry. Level 2 is studied in Oamaru, Level 3 is studied in Timaru

### **Outdoor Education and Sustainability L2 and L3 (achievement standard course)**

This course uses the outdoors to study environmental aspects. This includes earth science, environmental issues, and Mans impact on the environment. This is a more academic course with achievement standards taken from Social Sciences, Science and Physical Education. This course provides a pathway through too many careers and achievement standards covered are recognised for University entry. Level 2 is studied in Oamaru, Level 3 is studied in Timaru.

**Other** courses in Timaru and Oamaru will also be available for our students to access. A full list of these is provided for students to view in the Careers room.

Those who will need to travel to Timaru for courses will do so on the ARA transport provided. Students on these courses will continue with 6 other options, however the workload in these can be reduced to cater for time students will spend out of these options. Applications for these courses must be made through Mr Lane in addition to the normal option selection process.

## NCEA Art 101 (ART 101)



### The Course:

- In Art at Level One you will develop existing skills and build upon your prior knowledge learned in Year 10 to produce a body of work. This work will show your practical skills and your ability to build upon ideas in order to develop and extend them. The body of work will be mostly drawing (both wet and dry media), painting and print-making. There will be some research required and you will be expected to use a workbook for both Internal standards.
- Students will be required to produce sufficient work for both Internal standards to be eligible to enter the External standard. The work produced for the Internals is combined and built on to form the body of work necessary for a portfolio submission in the External.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90914	Use drawing methods and skills for recording information using wet and dry media.	4	Term 1 Week 10
90915	Use drawing conventions to develop work in more than one field of practice.	6	Term 2 Week 10
90916	Produce a body of work informed by established practice, which develops ideas, using a range of media.	12 (Ext)	Term 4 Week 3

Pre-requisites: Entry is negotiable, but it is preferred that students have taken Art as an option in Year 10.

TiC Art: Ms Sarah Pitman: sarahp@waitakibhs.school.nz



# NCEA Biology 201 (BIO 201)

The Course:

- In Biology at Level Two you will continue to develop and then assess your understanding of the links between biological concepts and the living world. The topics studied are Genetics and Gene Expression, Ecology, Cells and Adaptations.
- There is an increased focus on independent research, reading and interpreting sources, and written communication of knowledge. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91158	Investigate a pattern in an ecological community, with supervision.	4 (L1 Lit)	Term 1 Week 5/6
91155	Demonstrate understanding of adaptation of plants or animals to their way of life.	3 (L1 Lit)	End of Term 1
91157	Demonstrate understanding of genetic variation and change.	4 (L1 Lit)	External
91159	Demonstrate understanding of gene expression.	4 (L1 Lit)	External
91153	Carry out a practical investigation in a biology context, with supervision.	4 (Num)	End of Term 3
91156	Demonstrate understanding of life processes at the cellular level.	4 (L1 Lit)	External

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits in Level One Science (including at least one external standard, preferably AS90948) or at the discretion of the Head of Department.

HOD Sciences: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)

# NCEA Biology 301 (BIO 301)



The Course:

- In Biology at Level Three you will continue to develop and then assess your understanding of the links between biological concepts and the living world. The topics studied are Speciation, Plant and Animal Responses, Human Evolution, Homeostasis and Genetic Manipulation.
- There is a continued focus on independent research, reading and interpreting sources, and written communication of knowledge. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91604	Demonstrate understanding of how an animal maintains a stable internal environment.	3 (UE Lit R)	Term 1 Week 5/6
91606	Demonstrate understanding of trends in human evolution.	4 (UE Lit R/W)	External
91607	Demonstrate understanding of human manipulations of genetic transfer and its biological implications.	3 (UE Lit R)	Term 2 Week 5/6
91605	Demonstrate understanding of evolutionary processes leading to speciation.	4 (UE Lit R/W)	External
91603	Demonstrate understanding of the responses of plants and animals to their external environment.	5 (UE Lit R/W)	External
<b>Optional</b> 91601	Carry out a practical investigation in a biology context, with guidance.	4	End of Term 1

Pre-requisites: There are no pre-requisites for this course. However, if you have not done Bio201 you must discuss this with the Head of Science.

HOD Sciences: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)

# NCEA Chemistry 201 (CHE 201)



The Course:

- In Chemistry at Level Two you will continue to develop and then assess your understanding of the links between chemical concepts and the material world. The topics studied are Structure and Bonding, Organic Chemistry, Chemical Reactivity, Redox, and Quantitative and Qualitative Chemistry.
- There is a significant focus on topics which will be assessed by external NCEA examinations at the end of the year. Students need to be well versed in explaining concepts and using formulae to carry out chemical calculations. This involves good use of literacy and mathematical skills. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91161	Carry out a quantitative analysis	4 (Num)	Week 3, Term 2
91162	Carry out procedures to identify ions in solution	3	Week 3, Term 1
91164	Demonstrate understanding of bonding, structure, properties and energy changes.	5 (L1 Lit)	External
91165	Demonstrate understanding of the properties of selected organic compounds	4 (L1 Lit)	External
91166	Demonstrate understanding of chemical reactivity	4 (L1 Lit)	External
91167	Demonstrate understanding of oxidation-reduction	3	Week 7, Term 2

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits in Level One Science or at the discretion of the Head of Department.

HOD Science: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)

# NCEA Chemistry 301 (CHE 301)



The Course:

- In Chemistry at Level Three you will build on the skills learnt in Level Two Chemistry, with mixture of internal and external standards. The topics studied are Redox, Spectroscopy, Structure and Thermochemistry, Organic Chemistry and Aqueous Systems
- The level to which concepts are described is at higher level than expect for Level Two Chemistry. Students need to be well versed in explaining concepts, in depth. This involves good use of literacy and mathematical skills. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91393	Demonstrate understanding of oxidation-reduction processes	3 (L1Lit)	Week 6, Term 1
91388	Demonstrate understanding of spectroscopic data in chemistry	3	Week 7, Term 2
91390	Demonstrate understanding of thermochemical principles and the properties of particles and substances	5 (L1 Lit)	External
91391	Demonstrate understanding of the properties of organic compounds	5	External
91392	Demonstrate understanding of equilibrium principles in aqueous systems	5 (L1 Lit, Num)	External
91389	Demonstrate understanding of chemical processes in the world around us (optional)	3 (UE Lit)	Term 3

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits (including at least one external standard) at Level Two Chemistry or at the discretion of the Head of Department.

HOD Science: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)

# NCEA Construction 203 (CON 203)



The Course:

- In Construction at Level Two, you will learn basic construction skills associated with a range of trades
- You will learn about timber frame construction, setting out techniques and how to use a range of tools
- The course is a balance of practical and theory work throughout the year and can lead to careers in a range of trades
- All assessments are overseen by the Industry Training Organisation BCITO.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
24354	Demonstrate knowledge of and apply safe working practices in a BCATS environment	2	End of Term 1
12927	Identify, select, maintain and use hand tools for BCATS projects	6	End of Term 2
24350	Identify, select, maintain and use portable power tools for BCATS projects	4	End of Term 3
12932	Construct timber garden furniture and items of basic construction equipment as a BCATS project	8	Start of Term 4

Pre-requisites: To be able to enter in this course you need to have been successful at the Level One Technology or Furniture Making course. Entry to the course is at the discretion of the Head of Department.

HOD Technology: Mr R Suter - richards@waitakibhs.school.nz



# NCEA Digital Technology 101

(DIG101)

## The Course:

- In level 1 Digital Technology, pupils study how technological systems work and interact.
- You will learn how to produce digital media outcomes and how to program.
- You will study control systems and how to construct electronic products from basic components.
- You will study how computers and humans interact.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91878	Develop a design for a digital outcome	3	Term 1
91879	Develop a digital outcome to manage data	4	Term 1
91884	Use basic iterative processes to develop a digital outcome	6	Term 2
91077	Demonstrate understanding of basic concepts of electronic environments	3	Term 2
91883	Develop a computer program	4	Term 3
91886	Demonstrate understanding of human - computer interaction (External)	3	Term 3

Pre-requisites: To be able to enter in this course you need to have been successful in the Year 10 Digital Technology course. Entry to the course is at the discretion of the Teacher in Charge of Digital Technology.

TIC Digital Technology: Mr J Robinson – [johnr@waitakibhs.school.nz](mailto:johnr@waitakibhs.school.nz)



# NCEA Digital Technology 201

(DIG 201)

## The Course:

- In Level 2 Digital Technology, students learn how to solve problems using digital technology.
- You will learn how to use spreadsheets and databases in advanced applications.
- You will develop advanced programming skills and learn how to construct advanced electronic products.
- Students study Computer Science concepts.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91894	Digital Technologies 2.5 - Use advanced techniques to develop an electronics outcome	6	Term 1
91892	Digital Technologies 2.3 - Use advanced techniques to develop a database	4	Term 2
91896	Digital Technologies 2.7 - Use advanced programming techniques to develop a computer program	6	Term 3
91897	Digital Technologies 2.8 - Use advanced processes to develop a digital technologies outcome	6	Term 3
91898 (External)	Digital Technologies 2.9 - Demonstrate understanding of a computer science concept	3	Term 3

Pre-requisites: To be able to enter in this course you need to have successfully completed the Digital Technology 101 course.

Entry to the course is at the discretion of the Teacher in Charge of Digital Technology.

TIC Digital Technology: Mr J Robinson – [johnr@waitakibhs.school.nz](mailto:johnr@waitakibhs.school.nz)



# NCEA Digital Technology 301

(DIG 301)

The Course:

In level 3 Digital Technology, students are expected to work with more independence. Students will:

- Develop advanced digital media outcomes.
- Solve problems with computer programming and the application of databases.
- Study an area of Computer Science.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91904	Digital Technologies 3.5 - Use complex techniques to develop an electronics outcome	6	Term 1
91906	Digital Technologies 3.7 - Use complex programming techniques to develop a computer program	6	Term 2
91902	Digital Technologies 3.3 - Use complex techniques to develop a database	4	Term 3
91908 (External)	Digital Technologies 3.9 - Analyse an area of computer science	3	Term 3

Pre-requisites: To be able to enter in this course you need to have successfully completed the Digital Technology 201 course.

Entry to the course is at the discretion of the Teacher in Charge of Digital Technology.

TIC Digital Technology: Mr J Robinson – [johnr@waitakibhs.school.nz](mailto:johnr@waitakibhs.school.nz)

# NCEA Economics 201 (ECO 201)



The Course:

- The general aim of Level Two NCEA Economics is to investigate contemporary macro-economic issues. Students define and use statistical data to measure these issues. They use models to assist them in gaining an understanding of cause and effect.
- At this level, students will recognise the interdependent nature of the New Zealand economy by examining the impact government policies designed to address contemporary economic issues have on various groups in society. They will also understand that government policies may have inequitable effects.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91227	Analyse how government policies and contemporary economic issues interact.	6 (L1 &UE Lit)	Term 1 Week 8-10
91228	Analyse a contemporary economic issue of special interest using economic concepts and models	4 (L1 &UE Lit)	Term 2 Week 8-10
91225	Analyse unemployment using economic concepts and models	4 (L1 Lit)	Term 3 Week 6-8
91222	Analyse inflation using economic concepts and models	4 (L1 &UE Lit)	External
91224	Analyse Growth using economic concepts and models	4 (L1 &UE Lit)	External

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits (including at least one external standard) at either Level One Economics or English or at the discretion of the Head of Department.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)

# NCEA Economics 301 (Eco 301)



The Course:

- The general aim of Level Three NCEA Economics is to enable students to use knowledge and technologies that will enable them to actively contribute in individual, business, government, and global financial contexts.
- At this level, students will gain knowledge, skills and experience to understand that well-functioning markets are efficient but that government may need to intervene where markets fail to deliver efficient or equitable outcomes. They will understand how the nature and size of the New Zealand economy is influenced by interacting and external forces.

This course will offer four achievement standards giving the students the ability to gain 18 credits. Students wishing to pursue Scholarship Economics will study 'Macro-economic influences on the New Zealand Economy' outside of class time:

Standard No.	Standard Title	Credits	Assessment Timeframe
91401	Demonstrate understanding of micro-economic concepts	5 (L1 &UE Lit)	Term 2 Week 6-10
*91402	Demonstrate understanding of government interventions to correct market failures	5 (L1 &UE Lit)	Term 3 Week 6-10
91399	Demonstrate understanding of the efficiency of the market equilibrium	4 (L1 &UE Lit)	External
91400	Demonstrate understanding of the efficiency of different market structures using marginal analysis	4 (L1 &UE Lit)	External

*\* Note: 90402 is going to be split into two standards in 2019*

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits (including at least one external standard) at either Level Two Economics or English or at the discretion of the Head of Department.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)

# NCEA English 101 (ENG101)



## The Course:

This course is a broad course which builds on your successes and skills gained in Year Ten English. This course is a mix of internal and external standards and it will set up a strong foundation for your continuing study of English in the senior school. It is imperative that you bring a strong work ethic to this course as this class will be aiming for Merit and Excellence grades throughout. You will be given the opportunity to prepare for all three external examinations. In consultation with staff and your parent/caregiver, it will be possible to make a final choice on which exam papers suit your strengths later in the year.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90053	Produce formal writing	3 (Lit)	Term 1
90850	Show understanding of specified aspect(s) of visual or oral text(s) using supporting evidence.	4 (Lit)	External
90851	Show understanding of specified aspect(s) of unfamiliar written text(s) through close reading, using supporting evidence.	4 (Lit)	External
90849	Show understanding of specified aspect(s) of written texts, using supporting evidence.	4 (Lit)	External
90852	Explain significant connection(s) across texts using supporting evidence	4 (Lit)	Term 3
90854	Form personal responses to independently read texts	4 (Lit)	Term 2
90857	Construct and deliver an oral text	3	Term 2

Pre-requisites: To be able to enter in this course you will need to have passed your Year Ten English examinations or at the discretion of the Head of Department.

HoD of English: Matthew Plunkett [matthewp@waitakibhs.school.nz](mailto:matthewp@waitakibhs.school.nz)

# NCEA English 102 (ENG102)



## The Course:

This course is a broad course which builds on your successes and skills gained in Year Ten English. This course is a mix of internal and external standards and it will set up a strong foundation for your study of English in the senior school. There is a choice of two external assessment standards. This course is less intensive than ENG101 and has a stronger focus on visual texts. It is unlikely that you will be entered into all three external examinations. In consultation with staff and your parent/caregiver, it will be possible to make a final choice later in the year.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90053	Produce formal writing	3 (Lit)	Term 1
Either 90849	Show understanding of specified aspect(s) of studied text(s) using supporting evidence.	4 (Lit)	External
Or 90850	Show understanding of specified aspect(s) of visual or oral text(s) using supporting evidence.	4 (Lit)	External
90851	Show understanding of specified aspect(s) of unfamiliar written text(s) through close reading, using supporting evidence.	4 (Lit)	External
90852	Explain significant connection(s) across texts using supporting evidence	4 (Lit)	Term 3
90854	Form personal responses to independently read texts	4 (Lit)	Term 2
90856	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence.	3(Lit)	Term 1
90857	Construct and deliver and oral text	3	Term 2

Pre-requisites: To be able to enter in this course you will need to have passed at least two of your Year Ten English examinations or at the discretion of the Head of Department.

HoD of English: Matthew Plunkett [matthewp@waitakibhs.school.nz](mailto:matthewp@waitakibhs.school.nz)

# NCEA English 103 (ENG103)



## The Course:

In this course students will be given the option of preparing for only one external examination. It has a strong focus on the English skills that you will need in the workplace or for vocational training. It includes a mixture of Achievement Standards and Unit Standards. Teachers will try to select assessments which suit the strengths of the students. It also provides an opportunity for you to continue to read a larger range of texts as well as to improve your writing.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90851	Show understanding of significant aspect(s) of unfamiliar written text(s) through close reading, using supporting evidence.	4 (Lit)	External
90853	Use information literacy skills to form conclusions.	4 (Lit)	Term 3
90855	Create a visual text.	3	Term 2
90857	Construct and deliver an oral text.	3	Term 3
1293	Be interviewed in an informal 1:1 face to face interview	2	Term 2
10792	Write formal correspondence	3	Term 1
26622	Write to communicate ideas for a purpose and audience	4	Term 3
26624	Read texts with understanding	3	Term 2
26625	Actively participate in spoken interactions	3	Term 4
27988	Complete basic forms on familiar topics	4	Term 1

Pre-requisites: To be able to enter in this course you will need to have sat your Year Ten English examinations or at the discretion of the Head of Department.

HoD of English: Matthew Plunkett [matthewp@waitakibhs.school.nz](mailto:matthewp@waitakibhs.school.nz)

# NCEA English 201 (ENG 201)



## The Course:

This course is a broad course which builds on your successes and skills gained in Level One English. We will be aiming for Merit and Excellence grades throughout the year. You will have the opportunity to study a novel and/or some short stories as well as a film. We will be working hard to develop further your writing skills. You will be given the opportunity to prepare for all three external examinations. In consultation with staff and your parent/caregiver, it will be possible to make a final choice on which papers suit your strengths later in the year.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91098	Analyse specified aspect(s) of studied written text(s), supported by evidence.	4 (Lit)	External
91099	Analyse specified aspect(s) of studied visual or oral text(s) supported by evidence.	4 (Lit)	External
91100	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence.	4 (Lit)	External
91101	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	6 (Lit)	Term 3
91102	Construct and deliver a controlled oral text.	3 (Lit)	Term 2
91104	Analyse significant connections across texts, supported by evidence.	4 (Lit)	Term 2
91106	Form developed responses to independently read texts, supported by evidence.	4 (lit)	Term 2

Pre-requisites: To be able to enter in this course you will need to have at least 14 credits (including at least one external standard) in English at Level One or at the discretion of the Head of Department.

HoD of English: Matthew Plunkett [matthewp@waitakibhs.school.nz](mailto:matthewp@waitakibhs.school.nz)



## NCEA English 202 (ENG202)

### The Course:

This course is a broad course which builds on your successes and skills gained in Level One English. You will have the opportunity to study a novel and/or some short stories as well as to develop further your writing skills. It is less literature-rich than the ENG201 course and it offers the chance to do fewer than the possible three external standards. You will improve your research skills with an information literacy assessment standard. There is the chance to gain extra credits in this course by creating a static image, should time permit.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
Either 91098	Analyse specified aspect(s) of studied written text(s), supported by evidence.	4 (Lit)	External
Or 91099	Analyse specified aspect(s) of studied visual or oral text(s) supported by evidence.	4 (Lit)	External
91100	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence.	4 (Lit)	External
91101	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	6 (Lit)	Term 3
91102	Construct and deliver a controlled oral text.	3 (Lit)	Term 2
91104	Analyse significant connections across texts, supported by evidence.	4 (Lit)	Term 2
91105	Use information literacy skills to form a developed conclusion.	4 (Lit)	Term 1
91106	Form developed responses to independently read texts, supported by evidence.	4 (Lit)	Term 2

Pre-requisites: To be able to enter in this course you will need to have at least 14 credits (including at least one external standard) in English at Level One or at the discretion of the Head of Department.

HoD of English: Matthew Plunkett [matthewp@waitakibhs.school.nz](mailto:matthewp@waitakibhs.school.nz)

# NCEA English 203 (ENG203)



## The Course:

This course is a broad course which builds on your successes and skills gained in Level One English. This course is mainly internally-assessed and the teacher will try to select work which suits the strengths of the students. You may enter for Level Two external standards if you are working at an appropriate standard and recommended to by the Head of Department or by your classroom teacher.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91101	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	6 (Lit)	Term 3
91102	Construct and deliver a controlled oral text.	3 (Lit)	Term 2
91103	Create a crafted and controlled visual and verbal text.	3 (Lit)	Term 2
91104	Analyse significant connections across texts, supported by evidence.	4 (Lit)	Term 3
91105	Use information literacy skills to form a developed conclusion.	4 (Lit)	Term 1
91107	<b>Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence</b>	3	Term 2

Pre-requisites: To be able to enter in this course you will need to have at least 14 credits (including at least one external standard) in English at Level One or at the discretion of the Head of Department.

HoD of English: Matthew Plunkett [matthewp@waitakibhs.school.nz](mailto:matthewp@waitakibhs.school.nz)

# NCEA English 301 (ENG301)



## The Course:

This is a literature-rich course, which teaches students to critically read and to understand a range of complex oral, visual and written texts, including Shakespeare. English 301 provides a strong foundation for further study in the field of Humanities at tertiary level as well as a variety of other graduate courses suitable for Tertiary study. Students taking this course should be the kind of person who enjoys reading as well as watching films. Students will have the opportunity to hone their already well-developed writing skills. We will be aiming for Merit and Excellence grades throughout the year.

Students will be prepared for all three papers in the external exam but in most situations we would advise that the student focuses on writing two papers. A decision on this will be made in consultation with the classroom teacher later in the year. The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91472	Respond critically to specified aspect(s) of studied written text(s) supported by evidence	4 (Lit)	External
91473	Respond critically to specified aspect(s) of studied visual or oral text(s) supported by evidence.	4 (Lit)	External
91474	Respond critically to significant aspects of unfamiliar written texts through close reading, supported by evidence.	4 (Lit)	External
91475	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	6 (Lit)	Term 3
91476	Create and deliver a fluent and coherent visual text which develops, sustains and structures ideas.	3 (Lit)	Term 3
91478	Respond critically to significant connections across texts, supported by evidence.	4 (Lit)	Term 3
91479	Develop an informed understanding of literature and/or language using critical texts.	4 (Lit)	Term 2

Pre-requisites: To be able to enter in this course you will need to have at least 14 credits (including at least one external standard) in English at Level Two or at the discretion of the Head of Department.

HoD of English: Matthew Plunkett [matthewp@waitakibhs.school.nz](mailto:matthewp@waitakibhs.school.nz)

# NCEA English 302 (ENG302)



## The Course:

This is a broad course which covers close analysis of both visual and written texts. Students will have the opportunity to deliver a speech, to create a static image and they will produce a writing portfolio. The course prepares students both for further training and provides a solid foundation for the workforce.

This course is not to be taken lightly as, while it does have a stronger focus on visual texts than the ENG 301 course, it demands both a high level of literacy and general English knowledge. All students are expected to participate productively and constructively in class and to meet all in-class and homework expectations. It is suggested that students revise both their unfamiliar texts terminology as well as filmic terms and techniques prior to entering this class. Tutorials will be available if students begin to struggle with the requirements of the course. There is the expectation that students enter for one examination and that they catch up on any work missed due to absences whether personal, sporting or school related. The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91105 (Level2)	Use Information literacy and skills to form developed conclusion(s).	4 (Lit)	Term 3
91473	Respond critically to specified aspect(s) of studied visual or oral text(s) supported by evidence.	4 (Lit)	External
91475	Produce a selection of fluent and coherent writing which develops, sustains and structures ideas.	6 (Lit)	Term 3
91476	Create and deliver a fluent and coherent visual text which develops, sustains and structures ideas.	3 (Lit)	Term 2
91477	Create a fluent and coherent visual text which develops, sustains and structures ideas using verbal and visual language.	3 (Lit)	Term 3
91478	Respond critically to significant connections across texts, supported by evidence.	4 (Lit)	Term 2
91480	Respond critically to significant aspects of visual and/or oral text (s) through close reading supported by evidence.	3 (Lit)	Term 1

Pre-requisites: To be able to enter in this course you will need to have at least 14 credits (including at least one external standard) in English at Level Two or at the discretion of the Head of Department. Students must also be able to demonstrate that they have a robust and proven work ethic and that they have an acceptable grasp of both reading and writing.

# NCEA Engineering 103 (MET103)



The Course:

- In Engineering at Level One, you will learn how to work with metal and other resistant materials
- Manufacturing techniques will include fabrication, welding and machining.
- The course is a balance of practical and theory work throughout the year and can lead to careers in engineering and manufacturing.
- All assessments are overseen by the Industry Training Organisation Tool4Work

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
22926	Demonstrate knowledge of safety procedures in a specific engineering workshop	2	End of Term 1
22923	Demonstrate basic engineering skills under close supervision	12	End of Term 3
22924	Develop a simple product using engineering materials	10	Start of Term 4

Pre-requisites: To be able to enter in this course you need to have been successful at the Year 10 Technology course. Entry to the course is at the discretion of the Head of Department.

HOD Technology: Mr R Suter - richards@waitakibhs.school.nz

# NCEA Engineering 203 (MET203)



The Course:

- In Engineering at Level Two, you will build upon skills learn at Level One Engineering
- You will learn fabrication, welding and machining at an advanced level.
- The course is a balance of stimulating practical and theory work throughout the year.
- The course can lead to careers in engineering and manufacturing.
- All assessments are overseen by the Industry Training Organisation Tool4Work

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
497	Demonstrate knowledge of workplace health and safety requirements	3	End of Term 1
21906	Perform basic mechanical machining operations under supervision	12	Start of Term 4
25075	Perform basic fabrication operations under supervision	12	Start of Term 4

Pre-requisites: To be able to enter in this course you need to have been successful at a Technology course at Level One. Entry to the course is at the discretion of the Head of Department.

HOD Technology: Mr R Suter - richards@waitakibhs.school.nz

# NCEA ESOL (ESL123)



## The Course:

In this course, you will work alongside other senior students and be taught at your own pace and ability level. You will be taught the English language, the grammar and the syntax (sentence structure) as well as the conventions of both formal and informal English language. The work that you do in your ESOL class will support the learning in all of your classes across the curriculum.

Decisions will be made about which assessments are appropriate for students to attempt according to ability and circumstance. Choices will be made from the following list of standards :

Standard No.	Level	Standard Title	Credits	Assessment Timeframe (Approximate)
31005	1	Read and understand a range of simple written texts independently	5	May
31025	1	Present simple information on an everyday familiar topic.	5	Sept
27996	1	Write basic texts on very familiar topics	5	July
27998	1	Complete basic forms on familiar topics	5	July
31006	2	Read and understand a range of straightforward written texts independently	5	May
27999	2	Write a simple connected text on a familiar topic	5	June
28001	2	Complete simple forms	5	July
31020	2	Participate in an interview	5	Sept
31008	3	Read and understand a range of written texts independently	5	May
28068	3	Write a connected text on familiar topics	5	June
28062	3	Participate in a formal interview	5	Sept
31016	3	Participate in a spoken interaction on a familiar topic	5	Sept

Certain other English standards can also be offered if the student does not have another English class.

Pre-requisites: You will be placed in this class at the discretion of the Year Level Dean, upon the recommendation of a teacher or at the discretion of the Head of Department.

HoD of English: Matthew Plunkett - [matthewp@waitakibhs.school.nz](mailto:matthewp@waitakibhs.school.nz)

ESOL: Janet Hammond-Tooke - [janeth@waitakibhs.school.nz](mailto:janeth@waitakibhs.school.nz)



# NCEA Furniture Making 103

(FUR103)

The Course:

- In Furniture Making at Level One, you will learn how to manufacture outdoor furniture using reclaimed pallet timber.
- You will work through a mainly practical programme of disassembling pallets, constructing joinery and completing a mixture of unit standards and achievement standards.
- The focus is on developing technological knowledge, technological practice, and working in a collaborative safe environment.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
US18918	Construct a Furniture Carcass.	6	End of Term 2
US16232	Use Portable Power Tools for Furniture Making.	4	End of Term 3
AS91057	Implement basic procedures using resistant materials.	6	Week 3 Term 3
US2199	Use and Maintain Hand Tools for Furniture Making.	4	End of Term 3
US9786	Set and Operate a Sanding Machine.	2	Week 3 Term 4

Pre-requisites: To be able to enter in this course you need to have been successful at the Year 10 Technology course with good grades in Maths and English. Entry to the course is at the discretion of the Head of Department.

Senior & Junior Technology: Mr H. Jones - [HenryJ@waitakibhs.school.nz](mailto:HenryJ@waitakibhs.school.nz)



# NCEA Furniture Making 203

(FUR203)

The Course:

- In Furniture Making at Level Two, you will learn how construct advanced joinery for furniture in the fields of furniture making, construction and design.
- You will work through two main projects: a shaker table and a rocking chair, completing both unit standards and a NCEA achievement standard.
- The focus is on developing advanced joinery skills, independence, initiative and working collaboratively.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
US14995	Construct free hand drawings for use in furniture making.	2	Mid Term 1
AS91344	Implement advanced procedures using resistant materials to make a specified product with special features.	6	End of Term 2
US18917	Construct hand joints for furniture.	3	End of Term 3
US2220	Set and operate a single boring machine to bore holes in furniture components	4	End of Term 3
US22047	Hand-turn wood to produce furniture articles.	4	Week 3 Term 4

Pre-requisites: To be able to enter in this course you need to have been successful at the Year 11 Graphics course or have a solid work ethic in Art and Design. Entry to the course is at the discretion of the Head of Department.

Senior & Junior Technology: Mr H. Jones - HenryJ@waitakibhs.school.nz



## Gateway (GTW203)

The Course:

Unit Standards vary depending on career chosen but a typical programme may include:

Number	AUTOMOTIVE PROGRAMME	Level	Credits
29579	Demonstrate knowledge of good work habits and safe work practices	2	4
21669	Demonstrate knowledge of hand tools and workshop equipment	2	2
21674	Demonstrate knowledge of terminology used in the motor industry	2	2
231	Explain the operation of two and four stroke petrol and diesel engines	2	4
Extra unit standards are available as required.			

Students will also complete the following day courses

Health and Safety in the work place	2	4
Drug and Alcohol Awareness in the work place	2	6
First Aid in the work place	1, 2 + 3	4

**Preferred entry with:** Students must have: a high level of motivation, strong self-management skills and a clear vocational focus.

**Course Description:** Gateway is a course that involves structured workplace training.

Students will initially complete Health & Safety units and a First Aid Certificate, and then after approximately six weeks commence a work placement. Work placements take place one day a week and run for three terms.

Students learning and achievement in the workplace is assessed against unit standards on the National Qualifications framework.

**Depending on the vocational area the student is interested in, students will be completing units from Level One to Three. The majority of the units are skill based.**

This is a great opportunity to gain specific vocational skills leading to future employment including apprenticeships, make progress towards qualifications in a chosen career, and clarify tertiary education choices. Students who are interested in taking part in Gateway as an option must complete an application form, available on the school website. Students will undergo an interview process with the Gateway Co-ordinator and their Dean to assess their eligibility and commitment to the programme. Once accepted each student will get an individualised learning plan.

Credits available are decided on an individual basis but typically total 25 credits.

See Ms Liardet (Gateway Co-ordinator) for more information.

Tic Gateway: Ms A Liardet – [annel@waitakibhs.co.nz](mailto:annel@waitakibhs.co.nz)

# NCEA Geography 101 (GEO101)



The Course:

- In Geography at Level One you will gain an introduction into geography and geographic skills. This involves starting to explain and describe some of the complexities of our world. You will attempt to understand how different people interact with each other and how they interact with the environment.
- There is a significant step up from Year 10 Social Science in terms of reading and interpreting sources. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91012	Describe aspects of a contemporary geographic issue: Oamaru Tourism development – Oamaru Zipline	3(Lit 1)	Term 1 Week 2-8
91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment.	4 (Lit 1)	External
91007	Demonstrate geographic understanding of environments that have been shaped by extreme natural event: Christchurch 2011	4(Lit 1)	External
91009	Describe and explain a sustainable use of an environment.	3 (Lit 1)	Term 2 week 8-Term3 week 3
91011	Conduct geographic research with direction: North Otago River Quality Research - compulsory field trip.	4 (Lit 1)	Term 3 week 4

**Pre-requisites:** To be able to enter in this course will be based on your achievement record in **Social Studies** and **English** or at the discretion of the HOD of Social Sciences.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)

# NCEA Geography 201 (GEO201)



The Course:

- In Geography at Level Two you will continue to develop and then assess your understanding of the links between people and the cultural and natural environment. We analyse issues such as Affluenza in New Zealand, Hip hop music culture and the effects on people as well as the South Island High Country and the management of the Aoraki Mt Cook National Park.
- There is an increased focus on independent research, reading and interpreting sources, and written and verbal communication. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91245 (2.6)	Explain aspects of a contemporary New Zealand geographic issue: Mackenzie Country Farming	3 (UE Lit)	Term 1 Week 2-8
91240	Demonstrate geographic understanding of a large natural environment: "South Island High Country"	4 (UE Lit)	External
91243	Apply geography concepts and skills to demonstrate understanding of a given environment.	4 (UE Lit)	External
91244	Conduct geographic research with guidance: Spatial changes in an alpine environment – compulsory field trip.	5 (UE Lit, Num)	Term 3 Week 2
91246	Explain aspects of a geographic topic at a global scale: Patterns of mountains around the globe.	3 (UE Lit)	Term 3 Week 9

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits (including at least one external standard) at either Level One Geography or English or at the discretion of the Head of Department.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)

# NCEA Geography 301 (GEO301)



## The Course:

- In Geography at Level Three you will continue to develop your understandings of the complexities of our world. We look at how people interact with each other and how people interact with the environment. We study how glaciers shape the environment, the issues with human trafficking and the blood diamond trade of Africa.
- There is an increased focus on independent research, reading and interpreting sources, and written and verbal communication. You will be required to complete work in class and at home in preparation for assessments.
- Cost for field trip up to \$200.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91426	Demonstrate understanding of how interacting natural processes shape a New Zealand geographic environment.	4 (Lit 1, B Lit)	External
91429	Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills.	4 (Lit 1, B Lit)	External
91430	Conduct geographic research with consultation – Compulsory field trip.	5 (Lit 1, Num)	End of Term 2
91431	Analyse aspects of a contemporary geographic issue.	3 (Lit 1, R Lit)	Term 1 week 7
91432	Analyse aspects of a geographic topic at a global scale.	3 (Lit 1)	Term 3 Week 7

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits (including at least one external standard) at either Level Two in Geography or English or at the discretion of the Head of Department.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)



# NCEA Graphics (DVC) 101

(GRA101)

The Course:

- In Graphics and Design at Level One, you will learn how to design products in the fields of furniture design, spatial design and graphic design
- You will work through a rigorous design process that will include research, freehand sketching, model making, computer aided design (CAD) and traditional technical drawing

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91067	Use the work of an influential designer to inform design ideas	3	End of Term 1
91068	Undertake development of design ideas through graphics practice	6	End of Term 2
91069	Promote an organised body of design work to an audience using visual communication techniques	3	Start of Term 3
91063	Produce freehand sketches that communicate design ideas	3	External
91064	Produce instrumental, multi-view working drawings to communicate own design ideas	3	External
91065	Produce instrumental paraline drawings to communicate design ideas	3	External

Pre-requisites: To be able to enter in this course you need to have been successful at the Graphics and Design component of the Year 10 Technology course. Entry to the course is at the discretion of the Head of Department.



# NCEA Graphics (DVC) 201

(GRA201)

## The Course:

- The level two course is structured to enable students to extend their understanding and skills in the fields of product design, architectural design and graphic design.
- Students will use a design process to explore conceptual ideas through research, ideation, design development, functional modelling, and computer aided design (CAD).
- The focus is on developing visual literacy and creative thinking using visual communication techniques.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
AS91337	Use visual communication techniques to generate design ideas	3	Term 4
AS91340	Use the characteristics of a design movement or era to inform own design ideas	3	Mid Term 1
AS91342	Develop a product design through graphics practice	6	End of Term 1
AS91341	Develop a spatial design through graphics practice	6	End of Term 3
AS91343	Use visual communication techniques to compose a presentation of a design.	4	End of Term 3

Pre-requisites: Students need to have a sound understanding in Graphics (DVC) at Level 1. Good organisational skills and self-motivation are needed and developed through on-going thinking and drawing through practical processes. These course options follow a similar format to NCEA Level 1 Graphics. Entry to the course is at the discretion of the Head of Department.



# NCEA Graphics and Design 301

(GRA301)

The Course:

- In Graphics and Design at Level Three, you will learn how design advanced products in the fields of architectural and graphic design
- You will work through a rigorous design process that will include working with a real client, research, freehand sketching, model making, computer aided design (CAD) and traditional technical drawing
- You will be expected to work independently and manage your own project work.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91630	Resolve a product design through graphics practice	6	End of Term 1
91629	Resolve a spatial design through graphics practice	6	End of Term 2
91628	Develop a visual presentation that exhibits a design outcome to an audience	6	Start of Term 4
91627	Initiate design ideas through exploration	4	External

Pre-requisites: To be able to enter in this course you need to have been successful at Graphics and Design at Level Two. Entry to the course is at the discretion of the Head of Department.

HOD Technology: Mr R Suter - richards@waitakibhs.school.nz

# NCEA History 101 (HIS101)



The Course:

- Level One History introduces students to some key skills and processes that are part of critical and higher-order thinking.
- You will be examining and interpreting sources, researching increasingly complex social, political, cultural and economic events and people, and presenting historical information.
- Level One could examine the
  - 1919 'Treaty of Versailles' and the Origins of World War II.
  - Contested Spaces and Global conflict in Israel/Palestine. "Whose promised land is it?"
  - Personal or local histories through "Who do you think you are?"
  - The Treaty of Waitangi and/or the New Zealand Wars.
  - 911 and the War on Terrorism.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91001	Carry out an investigation of an historical event, or place of significance to New Zealanders	4 (Lit 1)	Term 2 Week 6
91002	Demonstrate understanding of an historical event, or place of significance to New Zealanders	4 (Lit 1)	Term 2 Week 9-11
91004	Demonstrate understanding of different perspectives of people in an historical event that is of significance to New Zealanders	4 (Lit 1)	End of Term 1
91003	Interpret sources of an historical event that is of significance to New Zealanders	4 (Lit 1)	External
91005	Describe the causes and consequences of a significant historical event	4 (Lit 1)	External

Pre-requisites: To be able to enter in this course you will need to be a competent reader and writer. You will need to be good thinker, have a curious mind and prepared to examine a range of evidence before you present your findings.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)



# NCEA History 201 (HIS201)

## The Course:

- In History at Level Two you will continue to develop and then assess your understanding of the links between historical events, people and places, and their influence/impact on the modern world. Possible topics studied include Augustus, the Russian Revolution, the Black Death, and the Holocaust.
- There is an increased focus on independent research, reading and interpreting sources, and written and verbal communication. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91229	Carry out an inquiry of an historical event or place that is of significance to New Zealanders	4 (UELit)	Term 1 Week 2-8
91230	Examine an historical event or place that is of significance to New Zealanders	5 (UELit)	Term 1 Week 9-11
91232	Interpret different perspectives of people in an historical event that is of significance to New Zealanders	5 (UELit)	End of Term 3
91231	Examine sources of an historical event that is of significance to New Zealanders	4 (UELit)	External
91233	Examine causes and consequences of a significant historical event	5 (UELit)	External

Pre-requisites: To be able to enter in this course you will need to have at least 14 credits (including at least one external standard) at either Level One History or English, or at the discretion of the Head of Department.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)

# NCEA History 301 (HIS301)



## The Course:

- In History at Level Three you will continue to develop and then assess your understanding of the links between historical events, people and places, and their influence/impact on the modern world. Possible topics studied include the Rise of Nazi Germany, Alexander the Great or the Holocaust.
- There is a heavy focus on independent research, reading and interpreting sources, and written and verbal communication. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91434	Research an historical event or place of significance to New Zealanders, using primary and secondary sources	5 (UELit)	Term 1 Week 2-8
91435	Analyse an historical event or place, of significance to New Zealanders	5 (UELit)	Term 1 Week 9-11
91437	Analyse different perspectives of a contested event of significance to New Zealanders	5 (UELit)	End of Term 3
91436	Analyse evidence relating to an historical event of significance to New Zealanders	4 (UELit)	External
91438	Analyse the causes and consequences of a significant historical event	6 (UELit)	External

Pre-requisites: To be able to enter in this course you will need to have at least 14 credits (including at least one external standard) at either Level Two History or English, or at the discretion of the Head of Department.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)



# NCEA Maths with Calculus 301

(MAC301)

The Course:

- This course requires a high level of Algebra skills and focuses on Calculus and Trigonometry. It is stimulating but demanding and tutoring is offered during the year for those who aspire to do Scholarship and those who need extra help.
- This provides the necessary mathematical background for further studies in Natural Science (Physics, Chemistry, Biology, Geography), Engineering, Economics, Computer Science, History and Philosophy of Science, and of course Mathematics.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91587	Apply systems of simultaneous equations in solving problems	3 (Num) Internal	Term 1 Week 1-5
91574	Apply linear programming methods in solving problems	3 (Num) Internal	Term 1 Week 6-11
91578	Apply differentiation methods in solving problems	6 (Num) External	Term 2 Week 1-5
91579	Apply integration methods in solving problems	6 (Num) External	Term 2 Week 6-11
91575	Apply trigonometric methods in solving problems	4 (Num) Internal	Term 3 Week 5-10

**Pre-requisites:** This course is for students who have studied MAT201 and should have achieved a minimum of 14 credits **including** at least Merit or Excellence in Algebra AS 91261 and Calculus AS 91262 or at the discretion of the Head of the Department.

HOD Mathematics: Ms Emma Prosser - [emmap@waitakibhs.school.nz](mailto:emmap@waitakibhs.school.nz)



# NCEA Maths with Statistics 301

(MAS301)

## The Course:

- This course builds on the skills gained at Level One and Two in Statistics, Probability and Algebra. It is designed for students planning University study involving Mathematics, Statistics, Computing, Social Sciences, Education, Economics, Management, or Biological Sciences and in general any field where the collection, analysis and interpretation of quantitative data is important. This course requires a high level of computer skills, English comprehension and numerical skills for writing reports. Students will use the NZGrapher software package for internal assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91581	Investigate bivariate measurement data	4 (Num) Internal	Term 1 Week 1-5
91580	Investigate time series data	4 (Num) Internal	Term 1 Week 6-11
91585	Apply probability concepts in solving problems	4 (Num) External	Term 2 Week1-5
91586	Apply probability distributions in solving problems	4 (Num) External	Term 2 Week 6-11
91582	Use statistical methods to make a formal inference	4 (Num) Internal	Term 3 Week 5-10

Pre-requisites: This course is for students who have studied MAT201 or MAT 202 and have a minimum of 14 credits Achieved in Level Two Mathematics including AS 2.12 Probability. Having achieved with Merit or Excellence at Level Two will be an advantage in taking this course or it may be undertaken at the discretion of the Head of the Department.

# NCEA MAT 101 (MAT101)



## The Course:

- This course is designed for students consistently operating at or above Curriculum Level Five. A particular emphasis for this course will be placed on students developing their independent investigation and reporting skills in areas of Mathematics. It covers all strands of Mathematics with an emphasis on Algebra. This course leads on to MAT 201 and MAC301.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91026	Apply numeric reasoning in solving problems	4 (Num) Internal	Term 1 Week 1-5
91029	Apply linear algebra in solving problems	3 (Num) Internal	Term 1 Week 6-11
91027	Apply algebraic procedures in solving problems	4 (Num) External	Term 3 Week 8-9
91028	Investigate relationships between tables, equations and graph.	4 (Num) External	Term 2 Week 6-11
91035	Investigate a given multivariate data set using the statistical enquiry cycle.	4 (Num) Internal	Term 3 Week 5-10

Pre-requisites: This course is for students who achieved at least Merit or Excellence in their Algebra and Number end of year exam. If you did not meet this level, and will need Algebra for your career, students can be accepted to this class at the discretion of the Head of the Department.

HOD Mathematics: Ms Emma Prosser - [emmap@waitakibhs.school.nz](mailto:emmap@waitakibhs.school.nz)

# NCEA MAT 102 (MAT102)



The Course:

- This course is for students who find Mathematics challenging but want to improve their skills and may wish to study Mathematics in Level Two and Three.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91026	Apply numeric reasoning in solving problems	4 (Num) Internal	Term 1 Week 1-5
91038	Investigate a situation involving elements of chance	3 (Num) Internal	Term 1 Week 6-11
91036	Investigate bivariate numerical data using the statistical enquiry cycle	3 (Num) Internal	Term 2 Week1-5
91037	Demonstrate understanding of chance and data.	4 (Num) External	Term 2 Week 6-11
91029	Apply linear algebra in solving problems	3 (Num) Internal	Term 3 Week 5-10

Pre-requisites: This course is for students who do not need Algebra for their career pathway. Students should have achieved in their Measurement, Number and Statistics end of year examinations or at the discretion of the Head of the Department.

HOD Mathematics: Ms Emma Prosser - [emmap@waitakibhs.school.nz](mailto:emmap@waitakibhs.school.nz)

# NCEA MAT 103 (MAT103)



## The Course:

- This course is for students who find Mathematics very challenging and are unlikely to study Mathematics beyond Level One NCEA. They are aiming to achieve a minimum of 10 credits for Level One Numeracy.
- You will follow different units of work and as you progress you will be assessed on that topic. Assessments will be a variety of tasks, some written tests and others assignment and project based. Assessment is an on-going process throughout the course; each piece of work will contribute to your portfolio.
- As you develop your skills in this course, it may be possible to undertake study for some internal Achievement Standards in the second half of the year.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
US26623	Use number to solve problems	4 (Num) Internal	Term 1
US26626	Interpret statistical information for a purpose	3 (Num) Internal	Term 2
US26627	Use measurement to solve problems	3 (Num) Internal	Term 3
AS910238	Investigate a situation involving elements of chance	3 (Num) Internal	Term 4

Pre-requisites: Students are placed in this course based on their results from Year 10. Teachers may recommend students to be placed in this course or it may be at the discretion of the Head of the Department.

HOD Mathematics: Ms Emma Prosser - [emmap@waitakibhs.school.nz](mailto:emmap@waitakibhs.school.nz)

# NCEA MAT 201 (MAT201)



The Course:

- This course is designed for students intending to continue with Mathematics at Level Three and beyond, such as Engineering. Students in this course will require a thorough knowledge of Mathematics- particularly algebraic skills. Algebra is the backbone of this course but it also includes a first taste of Calculus. This course is essential for students intending to study Level Three Mathematics and wanting to gain entry to University courses that involve Mathematics.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91256	Apply co-ordinate geometry methods in solving problems	2 (Num) Internal	Term 1 Week 1-5
91269	Apply systems of equations in solving problems	2 (Num) Internal	Term 1 Week 5-10
91257	Apply graphical methods in solving problems	4 (Num) Internal	Term 1/2 Week 11 - 4
91261	Apply algebraic methods in solving problems	4 (Num) External	Term 2 Week 5-10
91262	Apply calculus methods in solving problems	5 (Num) External	Term 3 Week 1-5
91259	Apply trigonometric relationships in solving problems	3 (Num) Internal	Term 3/4 Week 10 - 2

Pre-requisites: Level One Mathematics with a **minimum of 14 credits passed including Merit or Excellence in the achievement standards 91027 (MCAT)**, as well as passes in most of the external achievement standards. Students in MAT 102 (2019) will only be allowed into this course at the discretion of the Head of Department.

# NCEA MAT 202 (MAT202)



The Course:

- This course is designed to cater for students who wish to study a variety of topics at Level 2 including Statistics, Probability, Networking, Trigonometry, and Geometry. It leads to MAS301 Statistics or MAT 302 if students achieve the essential prerequisites.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91256	Apply co-ordinate geometry methods in solving problems	2 (Num) Internal	Term 1 Week 1-4
91269	Apply systems of equations in solving problems	2 (Num) Internal	Term 1 Week 5-7
91259	Apply trigonometric relationships in solving problems	3 (Num) Internal	Term 1 Week 8-11
91258	Apply sequences and series in solving problems	2 (Num) Internal	Term 2 Week 1-4
91260	Apply network methods in solving problems	2 (Num) Internal	Term 2 Week 5-7
91267	Apply probability methods in solving problems	4 (Num) External	Term 2 Week 8-11
91268	Investigate a situation involving elements of chance using a simulation	2 (Num) Internal	Term 3 Week 6-10

**Pre-requisites:** Level One Mathematics with a **minimum of 12 credits passed including Merit or Excellence in the achievement standards 91037 (Chance and data)**. Students in MAT 102 (2019) will only be allowed into this course at the discretion of the Head of Department.

# NCEA MAT 203 (MAT203)



## The Course:

- This course will be individualised to the students in the class. It is intended for students who would utilise basic skills in Budgeting, Computing, Time management, Mathematics and Personal Finance.
- This course has been set up as a two year course for students who do not require Achievement Standards in their careers. It is to prepare students for future vocations and associated study.

Standards will be selected from the following:

Standard No.	Standard Title	Credits	Sample Assessment Timeframe
AS 91030	Mathematics and Statistics 1.3 – Apply measurement in solving problems	3 (Num)	
AS 91032	Mathematics and Statistics 1.5 – Apply right-angled triangles in solving measurement problems	3 (Num)	Term 1 Week 8
AS 91256	Mathematics and Statistics 2.1 – Apply co-ordinate geometry methods in solving problems	2 (Num)	Term 1 Week 11
AS 91258	Mathematics and Statistics 2.3 – Apply sequences and series	2 (Num,	Term 2 Week 5
AS 91260	Mathematics and Statistics 2.5 – Apply network methods in solving problems	2	Term 3 Week 5
AS 90848	Mathematics and Statistics 2.13 – Apply probability simulations in solving problems	2 (L1 lit)	Term 4 Week 4
US 24871	Work and Study Skills – Complete workplace forms	2	Term 1 Week 3
US 7127	Self Management - Exercise informed choice in deciding on a major goods or service purchase	2	Term 1 Week 10
US 28094	Financial capability – Produce a balanced budget and adjust the budget to reflect changing financial circumstances	3	
US 28093	Financial Capability - Describe the financial responsibilities and consequences of tertiary study funding options	3	Term 3 Week 10
US 19143	General Agriculture - Perform calculations for primary production situations	3	Term 2 Week 10

Pre-requisites: A recommendation from the student's Level One Mathematics teacher. A satisfactory effort must have been made in Level One Mathematics class.

HOD Mathematics: Ms Emma Prosser – [emmap@waitakibhs.school.nz](mailto:emmap@waitakibhs.school.nz)

# NCEA MAT 302 (MAT302)



The Course:

- This course is a combination of Calculus and Statistics standards. It is an approved subject for those who wanted to pursue studies at University or Polytechnic.
- It provides the necessary mathematical background for further Tertiary studies.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91587	Apply systems of simultaneous equations in solving problems	3 (Num) <b>Internal</b>	Term 1 Week 1-5
91580	Investigate time series data	4 (Num) <b>Internal</b>	Term 1 Week 6-11
91574	Apply linear programming methods in solving problems	3 (Num) <b>Internal</b>	Term 2 Week1-5
91581	Investigate bivariate measurement data	4 (Num) <b>Internal</b>	Term 2 Week 6-11
91573	Apply the geometry of conic sections in solving problems.	3 (Num) <b>Internal</b>	Term 3 Week 5-10

Pre-requisites: This course is for students who have studied MAT202 and should have achieved a minimum of 12 credits or students may be granted entry at the discretion of the Head of the Department.

HOD Mathematics: Ms Emma Prosser – [emmap@waitakibhs.school.nz](mailto:emmap@waitakibhs.school.nz)



# NCEA MAT 303 (MAT303)

## The Course:

- This course will be individualised to the students in the class to meet the minimum of NCEA Level Two and to reinforce financial skills and knowledge to help the student once they leave school.
- This course has been set up as a two years course following on from MAT 203 for students who do not require University Entrance. It is to prepare students for future vocations and associated study.

Standards will be selected from the following:

Standard No.	Standard Title	Credits	Sample Assessment Timeframe
AS 91256	Mathematics and Statistics 2.4 – Apply co-ordinate geometry methods in solving problems	2 (Num)	Term 1 Week 4
AS 91258	Mathematics and Statistics 2.8 – Apply sequences and series	2 (Num)	Term 1 Week 8
AS 91260	Mathematics and Statistics 2.10 – Apply network methods in solving problems	2 (Num, L1 Lit)	Term 2 Week 1
AS 91580	Mathematics and Statistics 3.8 – Investigate time series data	4 (Num, Lit)	Term 2 Week 10
AS 91587	Mathematics and Statistics 3.15 – Apply systems of simultaneous equations in solving problems	3 (Num, Lit)	
US 28098	Financial capability – Evaluate options to increase personal income	3	Term 4 Week 4
US 28099	Financial Capability – Analyse and compare credit options and recommend strategies to manage personal finances	3	Term 3 Week 5
US 28100	Financial Capability - Develop a plan to achieve a long-term personal financial goal(s)	4	
AS 91583	Mathematics and Statistic 3.11 - Conduct an experiment to investigate a situation using experimental design principles	4 (Num, Lit)	Term 3 Week 10

Pre-requisites: A recommendation from the student's Level Two Mathematics teacher. A satisfactory effort must have been made in Level Two Mathematics class.

HOD Mathematics: Ms Emma Prosser – [emmap@waitakibhs.school.nz](mailto:emmap@waitakibhs.school.nz)

# NCEA Media Studies 301 (MED301)



## The Course:

- Media Studies at Level Three challenges you to analyse and interpret media content, and assess your ability to make informed and critical judgements about media and its role in everyday life.
- There is a heavy focus on independent work skills, designing and production of media, and written and verbal communication. You will be required to complete work in class and at home in preparation for assessments.
- Throughout the course you will have the opportunity to design and produce a magazine spread, explore representations of New Zealand society through media, and consider the influences of social/political events on a film genre e.g. action films, monster movies, horror genre.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91494	Produce a design for a media product that meets the requirements of a brief	4	Term 2 Week 2-10
91497	Write a media text to meet the requirements of a brief	3	Term 3 Week 1-2
91495	Produce a media product to meet the requirements of a brief	6	Term 3 Week 2-6
91492	Demonstrate understanding of the media representation of an aspect of New Zealand culture or society	3 (UELit)	Term 3 Week 8-10
91493	Demonstrate understanding of a relationship between a media genre and society	4 (UELit)	External

Pre-requisites: To be able to enter in this course you will need to have at least 14 credits (including at least one external standard) at either Level Two English or History, or at the discretion of the Head of Department.

HOD Social Sciences: Mr T Blackbeard - [tonyb@waitakibhs.school.nz](mailto:tonyb@waitakibhs.school.nz)

# NCEA Music 101 (MUS101)



## The Course:

The course builds on the concepts taught, and skills and knowledge acquired in Year 10 Music.

Students will have further opportunities to develop skills and knowledge in:

- Performance (two solo and one group. Group Performance is optional but recommended)
- Composition (creating your own music either through notation or video)
- Understanding of music scores
- Understanding music works within a social / cultural and historical context through listening, performing (One popular music piece and one classical)
- Analysing and score reading.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91090	Perform two pieces as a featured soloist	6	T2 W9 T3 W9
91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	4	T2 W5 T3 W6
91092	Compose two original pieces of music	6	T1 W10 T3 W2
91094	Demonstrate knowledge of conventions used in music scores	4 (Lit)	External
91095	Demonstrate knowledge of two music works from contrasting contexts	6 (Lit)	T2 W7 T3 W5

Pre-requisites: To be able to enter in this course you will need to have successfully completed the Year 10 Music course and be currently learning an instrument either through the school Itinerant scheme or private lessons.

Your ability on an instrument should reflect a minimum of the equivalent of learning an instrument over a period of at least two years; or the equivalent of Grade 3 in Trinity College, Royal Schools of Music or Australian Board practical music exams.

Entry to the course can also be gained at the discretion of the Head of Department.

Tic Music: Mr S Hinds - [stepheh@waitakibhs.school.nz](mailto:stepheh@waitakibhs.school.nz)



## NCEA Music 201 (MUS201)

### The Course:

This course follows the same four aspects as the MUS 101 course: Performance (solo and group), Composition, Listening and Musical Knowledge. New to this level is instrumentation and performance on a second instrument.

The student has a choice in terms of course design; he can choose a course that covers all four aspects as in Level One, or design a course taking standards that will suit individual needs. All four aspects increase in terms of demands on students and depth of study. The student must be still learning an instrument and be involved on a regular basis in a musical group.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91270	Perform two substantial pieces of music as a featured soloist	6	T2 W8 T3 W9
91274	Perform a substantial piece of music as a featured soloist on a second instrument	3	T2 W8
91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group.	4	T3 W5
91271	Compose two substantial pieces of music.	6	T1 W9 T3W2
91275	Demonstrate aural understanding through written representation	4	External
91276	Demonstrate knowledge of conventions in a range of music scores.	4 (Lit)	External
91277	Demonstrate understanding of two substantial contrasting music works	6 (Lit)	External
91273	Devise an instrumentation for an ensemble.	4	T2W5
91278	Investigate an aspect of New Zealand music.	4 (Lit)	T3W6

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits in Level One Music (preferably including at least one external standard), or at the discretion of the Head of Department.

Tic Music: Mr S Hinds - [stepheh@waitakibhs.school.nz](mailto:stepheh@waitakibhs.school.nz)

# WAITAKI BOYS' HIGH SCHOOL

## NCEA Music 301 (MUS301)



The Course:

This course follows the same four aspects as the MUS 201 course; Performance (solo and group), Composition, Listening Skills and Musical Knowledge. Instrumentation is now replaced by arranging. Also new to this level is research, understanding harmonic and tonal conventions (which means chords and keys), plus the influence of context on a musical work. There is also some flexibility in course design so that the course can be specifically designed around the needs of the individual student. The demands of solo performance and composition are very high and demand a high level of ability.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91416	Present two programmes of music as a featured soloist	8	T2 W4 T3 W4
91417	Perform a programme of music as a featured soloist on a second instrument	4	T3 W8
91418	Demonstrate ensemble skills by performing two substantial pieces of music as a member of a group	4	T2 W8
91419	Communicate musical intention by composing three original pieces of music	8	T2 W9 T3 W6
91420	Integrate aural skills into written representation	4	External
91421	Demonstrate understanding of harmonic and tonal conventions in a range of music scores	4	External
91422	Analyse a substantial music work	4 (UE Lit)	T2 W7
91423	Examine the influence of context on a substantial music work	4 (UE Lit)	External
91424	Create two arrangements for an ensemble	4	T2 W2 T3 W9
91425	Research a music topic	6 (UE Lit)	T3 W7
91849	Compose three original songs that express imaginative thinking	8	T1 W10, T2 W7, T3 W2

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits in Level Two Music (preferably including at least one external standard), or at the discretion of the Head of Department.

Tic Music: Mr S Hinds - [stepheh@waitakibhs.school.nz](mailto:stepheh@waitakibhs.school.nz)



# NCEA Painting 201 (PAT 201)

The Course:

- In **Painting** at Level Two, students undertake an individual investigation which encompasses two Internal standards and an External portfolio submission. You will develop existing skills and build upon your prior knowledge learned in Level One to produce a body of work. This work will show your practical skills and your ability to build upon ideas in order to develop and extend them. The body of work will be mostly drawing (both wet and dry media) and painting. There will be some research required and you will be expected to use a workbook for both Internal standards.
- Students will be required to produce sufficient work for both Internal standards to be eligible to enter the External standard. The work produced for the Internals is combined and built on to form the body of work necessary for a portfolio submission in the External.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91311	Use drawing methods to apply knowledge of conventions appropriate to painting.	4	Term 1 Week 10
91316	Develop ideas in a related series of drawings appropriate to established painting practice.	4	Term 2 Week 10
91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting.	12 (Ext)	Term 4 Week 3

Pre-requisites: Achieved (minimum) in Level One Visual Art NCEA.

TiC Art: Ms Sarah Pitman: sarahp@waitakibhs.school.nz

# NCEA Painting 301 (PAT 301)



## The Course:

- In **Painting** at Level Three, students undertake an individual investigation which encompasses two Internal standards and an External portfolio submission. This course builds on and develops existing practical skills and prior knowledge learned in Level Two, but focuses solely on the medium of painting. Students will be expected to complete a 3-panel submission, and to sustain a theme of their choice. The theme needs substance, as students will need to show technical skills and the ability to build upon ideas in depth, in order to develop, extend and to achieve at this level. A solid understanding of pictorial conventions is crucial to success in this medium. There will be some research required and you will be expected to use a workbook for both Internal standards.
- Students will be required to produce sufficient work for both Internal standards to be eligible to enter the External standard. The work produced for the Internals is combined and built on to form the body of work necessary for a portfolio submission in the External.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91446	Use drawing to demonstrate understanding of conventions appropriate to painting.	4	Term 1 Week 10
91451	Systematically clarify ideas using drawing informed by established painting practice.	4	Term 2 Week 10
91456	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice.	14 (Ext)	Term 4 Week 3

Pre-requisites: Achieved (minimum) in Level Two Visual Art NCEA.

TiC Art: Ms Sarah Pitman: sarahp@waitakibhs.school.nz



# NCEA Photography 201 (PHO 201)

## The Course:

- In **Photography** at Level Two, students undertake an individual investigation which encompasses two Internal standards and an External portfolio submission. This course builds on and develops existing practical skills and prior knowledge learned in Level One, but focuses solely on the medium of photography. The body of work produced will show your technical skills and your ability to build upon ideas in order to develop and extend them. A solid understanding of pictorial conventions is crucial to success in this medium. There will be some research required and you will be expected to use a workbook for both Internal standards.
- Students will be required to produce sufficient work for both Internal standards to be eligible to enter the External standard. The work produced for the Internals is combined and built on to form the body of work necessary for a portfolio submission in the External.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91312	Use drawing methods to apply knowledge of conventions appropriate to photography.	4	Term 1 Week 10
91317	Develop ideas in a related series of drawings appropriate to established photography practice.	4	Term 2 Week 10
91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography.	12 (Ext)	Term 4 Week 3

Pre-requisites: Achieved (minimum) in Level One Visual Art NCEA.

TiC Art: Ms Sarah Pitman: [sarahp@waitakibhs.school.nz](mailto:sarahp@waitakibhs.school.nz)

# NCEA Photography 301 (PHO 301)



## The Course:

- In **Photography** at Level Three, students undertake an individual investigation which encompasses two Internal standards and an External portfolio submission. This course builds on and develops existing practical skills and prior knowledge learned in Level Two but focuses solely on the medium of photography. Students will be expected to complete a 3-panel submission, and to sustain a theme of their choice. The theme needs substance, as students will need to show technical skills and the ability to build upon ideas in depth, in order to develop, extend and to achieve at this level. A solid understanding of pictorial conventions is crucial to success in this medium. There will be some research required and you will be expected to use a workbook for both Internal standards.
- Students will be required to produce sufficient work for both Internal standards to be eligible to enter the External standard. The work produced for the Internals is combined and built on to form the body of work necessary for a portfolio submission in the External.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91447	Use drawing to demonstrate understanding of conventions appropriate to photography.	4	Term 1 Week 10
91452	Systematically clarify ideas using drawing informed by established photography practice.	4	Term 2 Week 10
91457	Produce a systematic body of work that integrates conventions and regenerates ideas within photography practice.	14 (Ext)	Term 4 Week 3

Pre-requisites: Achieved (minimum) in Level Two Visual Art NCEA.

TiC Art: Ms Sarah Pitman: [sarahp@waitakibhs.school.nz](mailto:sarahp@waitakibhs.school.nz)



# NCEA Physical Education 101

(PED 101)

## The Course:

Is a comprehensive study of physical activity and our bodies. A study of the anatomy of the body and how it moves, what constitutes a physical performance and how performances are judged. There are a number of aspects of this course which have both physical and theoretical components which have to be met.

Methods of assessment: Written tests, peer assessments, self-assessment, Logs, practical performances and written assignments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90962	Participate actively in a variety of physical activities and explain factors that influence own participation.	5	End of Term 3
90963	Describe the function of the body as it relates to the performance of physical activity.	5 (Lit 1)	End of Term 2
90964	Demonstrate quality movement in the performance of a physical activity	3	End of Term 1
90965	Demonstrate understanding of societal influences on physical activity and the implications for self and others.	4 (Lit 1)	End of Term 3
90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	4 (Lit 1)	End of Term 3
90967	Examine the quality of movement in performance of a physical activity	4 (Lit 1)	End of Term 1
90969	Take purposeful action to assist others to participate in physical activity	2	End of Term 3

## Pre-requisites:

Satisfactory attitude and progress in Year 10 Physical Education.

The ability to participate in all practical aspects of the course.

HOD Physical Education: Mr R Boswell - rayb@waitakibhs.school.nz



# NCEA Physical Education 201

(PED201)

## The Course:

Physical Education helps towards education, challenge, skill development and positive interaction with others. A student with a good work ethic and sporting aptitude can pass all standards. This course is based on one third practical and two thirds classroom theory, developing and applying the theory studied at Level One. It includes functional anatomy and how the body works during sport, how we learn physical skills and what influences our participation in sports and how sports develop and the processes to keep the participants safe.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91327	Examine the role and significance of physical activity in the lives of young people in New Zealand	3 (UE Lit)	Week 3 Term 4
91328	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	5 (UE Lit)	Middle of Term 2
91329	Demonstrate understanding of the application of biophysical principles to training for physical activity	4 (UE Lit)	End of Term 1
91330	Perform a physical activity in an applied setting	4	End of Term 3
91331	Examine the significance for self, others and Society of a sporting event, a physical activity, or a festival.	4 (UE Lit)	End of Term 3
91334	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	3	End of Term 3

## Pre-requisites:

14 Credits in NCEA Level One Physical Education. Or at the discretion of the Head of Department based on Level One in all subjects.

HOD Physical Education: Mr R Boswell - rayb@waitakibhs.school.nz



# NCEA Physical Education 301

(PED301)

The Course:

The Level Three PE course involves critical thinking and the application of all the theory acquired at Levels One and Two. Students will design and implement training programmes to evaluate their efficacy and devise strategies to maintain a healthy lifestyle. They will examine issues in physical activity and the impact on society and also look at the principles of leadership and risk management.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91498	<i>*Evaluate physical activity experiences to devise strategies for lifelong wellbeing</i>	4	Term 4 Week 3
91499	Analyse a physical skill performed by self or others	3	Term 3 Week 5
91500	Evaluate the effectiveness of a performance improvement programme	4	Term 2 Week 2
91501	Demonstrate quality performance of a physical activity in an applied setting	4	Term 4 Week 2
91502	Examine a current Activity trend or issue and its impact on New Zealand society	4	End of Term 1
91789	Devise strategies for a Physical Activity Outcome	4	End of Term 3

*\*Optional standard*

## Pre-requisites:

14 credits in Level Two Physical Education, including a pass in 91328 or at the discretion of the Head of Department based on Level Two in all subjects.

HOD Physical Education: Mr R Boswell - rayb@waitakibhs.school.nz



# Physical Education 302

(PED302)

The Course:

This is a practical course in physical activity that can be chosen as a sixth subject instead of a study period. There are no Achievement Standards attempted and it is based around self-development.

The course will cover the following topics:

- Fitness evaluation, methods of training and fitness programming
- Skill learning and skill development
- Sports psychology
- Sports injury and rehabilitation
- Sports nutrition
- Coaching in sport

This will be a flexible programme and will take into account the needs of the students and the sports they play.

Pre-requisites:

A positive attitude to sport and fitness.

The ability to participate in all practical aspects of the course.

HOD Physical Education: Mr R Boswell - [rayb@waitakibhs.school.nz](mailto:rayb@waitakibhs.school.nz)



# NCEA Physics 201 (PHY201)

The Course:

- In Physics at Level Two you will build on the skills learnt in Level One Mechanics, with mixture of internal and external standards. The topics studied are Mechanics; Waves; Physics Investigations, Atomic and Nuclear Physics and Electricity and Electromagnetism
- There is a significant focus on topics which will be assessed by external NCEA examinations at the end of the year. Students need to be well versed in explaining concepts and using formulae to calculate physics quantities. This involves good use of literacy and mathematical skills. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4 (L1 Lit, Num)	Week 6, Term 2
91170	Demonstrate understanding of waves	4 (L1 Lit, Num)	External
91171	Demonstrate understanding of mechanics	6 (L1 Lit, Num)	External
91172	Demonstrate understanding of atomic and nuclear physics	3 (L1 Lit)	Week 5, Term 1
91173	Demonstrate understanding of electricity and electromagnetism	6 (L1 Lit, Num)	External

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits (including at least one external standard, preferably AS90940 - Mechanics) at Level One Science or at the discretion of the Head of Department.

HOD Science: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)



# NCEA Physics 301 (PHY301)

## The Course:

- In Physics at Level Three you will build on the skills learnt in Level Two Physics, with mixture of internal and external standards. The topics studied are Mechanics; Waves; Physics Investigations, Modern Physics and Electrical Systems
- The level to which concepts are described is at higher standard than expected for Level Two Physics. Students need to be well versed in explaining topics, in depth. The mathematical content is built upon from Level Two. This course involves good use of literacy and mathematical skills. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91521	Carry out a practical investigation to test a physics theory that relates two variables in a non-linear relationship	4 (Num)	Week 6, Term 2
91522	Demonstrate understanding of application of physics to a selected context	3	Week 10, Term 3
91523	Demonstrate understanding of wave systems	4 (L1 Lit)	External
91524	Demonstrate understanding of mechanical systems	6 (L1 Lit)	External
91525	Demonstrate understanding of modern physics	3 (L1 Lit)	Week 5, Term 1
91526	Demonstrate understanding of electrical systems	6 (L1 Lit)	External

Pre-requisites: To be able to enter in this course you will need to have at least 12 credits (including at least one external standard) at Level Two Physics or at the discretion of the Head of Department.

HOD Science: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)

# Ready for Work Course (RFW203)



The Course:

Unit Standards include but are not limited to:

Number	Title	Level	Credits
7127	Exercise informed choice in deciding on a major goods or service purchase	2	2
1979	Describe the employment relationship and the application of employments law to that relationship	2	3
4253	Demonstrate knowledge of the job search skills	2	3
4252	Produce a personal targeted CV.	2	2
12383	Explore Career options and their implications	2	3
Extra unit standards will be available as required for individuals within this class.			

Students on this course will study one day a week on a polytechnic course which suits the pathway they are interested in and will also have one day a week work experience in the same pathway. For the three days students are attending school the boys will be situated in B5 and follow an individualised programme linked to work and life skills. There will also be opportunities to gain their literacy and numeracy requirements for Level One if they haven't already achieved these.

Students will also participate in the following day courses

Health and Safety in the work place	2	4
Drug and Alcohol Awareness in the work place	2	6
First Aid in the work place	1, 2 + 3	4

This course has been set up to provide support for students who are not necessarily academically minded and have not achieved to their potential in Level One. The class provides a different environment from traditional classes, however expectations of behaviour, work and attendance continue to be of prime importance.

Relationships with outside agencies are also developed through this class to help support boys in making the move from school and understand where help can be accessed.

On achieving Level Two support is provided for the student to transition into full time work or Full time tertiary study.

Careers Advisor – Mr Andy Lane andyl@waitakibhs.school.nz



## NCEA Science 101 (sci101)

### The Course:

- This course is designed for those who are looking at studying Sciences at a senior level. In this course we assess an internal and an external standard from each of the three branches of Science. The topics covered are; Genetics, Micro-organisms, Mechanics, a Physics Investigation, Acids and Bases and Chemical Reactions.
- This course continues with the topics covered in Year 10 science but looks at them in more depth. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90947	Investigate selected chemical reactions	4	Week 8, Term Three
90950	Investigate biological ideas related to the interactions between humans and micro-organisms	4	Week 6, Term One
90935	Carry out a practical investigation which leads to a linear mathematical relationship, with direction	4 (Num)	Week 2, Term 2
90940	Demonstrate understanding of aspects of mechanics	4 (Num)	External
90948	Demonstrate understanding of biological ideas relating to genetic variation	4 (Lit 1)	External
90944	Demonstrate understanding of aspects of acids and bases	4	External

Pre-requisites: There are no pre-requisites for this course but merit or higher in two of the four branches assessed in Year 10 is recommended.

HOD Science: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)



## NCEA Science 102 (sci102)

The Course:

- This course is designed to give students a general science education at Level One on the NZQA framework. In this course we have a mixture of external and internal assessments. The topics covered are; Genetics, Micro-organisms, Mechanics, a Physics Investigation and Chemical Reactions.
- This course continues with the topics covered in Year 10 science but looks at them in more depth. You will be required to complete work in class and at home in preparation for assessments. This course may lead on to the specialist science courses at Level Two

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90947	Investigate selected chemical reactions	4 (Num)	Week 8, Term 3
90950	Investigate biological ideas related to the interactions between humans and micro-organisms	4	Week 6, Term 1
90935	Carry out a practical investigation which leads to a linear mathematical relationship, with direction	4	Week 2, Term 2
90940	Demonstrate understanding of aspects of mechanics	4 (Num)	External
90948	Demonstrate understanding of biological ideas relating to genetic variation	4 (L1 Lit)	External

Pre-requisites: There are no pre-requisites for this course.

HOD Science: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)



## NCEA Science 201 (sci201)

The Course:

- This course is designed for those who wish to do a Science course but are not intending to continue with Sciences at Level Three NCEA. It is intended to give students a broad picture of Science.
- The course takes achievement standards from all three specialist science course to build a predominantly internally assessed course, however there will be one external standard from Earth and Space Science to ensure subject endorsement is available. You will be required to complete work in class and at home in preparation for assessments.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91161	Chemistry – Carry out a quantitative analysis	4 (Num)	Week 5, Term 1
91162	Chemistry – Carry out a procedure to identify ions in solution	3	Week 5, Term 3
91168	Physics – Carry out a practical physics investigation that leads to a non-linear relationship	4 (L1 Lit, Num)	Week 10, Term 1
91172	Physics – Demonstrate understanding of atomic and nuclear physics	3 (L1 Lit)	Week 10, Term 2
91155	Biology – Demonstrate understanding of adaptations of plants and animals to their way of life	3 (L1 Lit)	Week 5, Term 2
91192	Earth and Space Science – Demonstrate understanding of stars and planetary systems	4 (L1 Lit)	External

Pre-requisites: There are no pre-requisites for this course however 12 credits in Level One Science would be helpful.

HOD Science: Mr J Mansell - [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)

# NCEA Science 103 (sci103)



The Course:

- This course is an internally assessed course that is designed for students who have struggled with the content in Years 9 and 10 Science.
- The course includes four internally assessed achievement standards worth 4 credits each.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
90930	Carry out a practical chemistry investigation, with direction	4 (Num)	Week 8, Term One
90935	Carry out a practical physics investigation that leads to a linear mathematical relationship, with direction	4 (Num)	Week 6, Term Two
90941	Investigate implications of electricity and magnetism for everyday life.	4 (Num)	Week 6, Term 3
90949	Investigate life processes and environmental factors that affect them	4 (Num)	Week 4, Term Four

Pre-requisites: Students are placed in this course based on their results from Year 10. Teachers may recommend students to be placed in this course or it may be at the discretion of the Head of the Department.

HOD Science: Mr J Mansell – [jeremym@waitakibhs.school.nz](mailto:jeremym@waitakibhs.school.nz)

# NCEA Te Reo Māori 101 (MAO101)



## The Course:

- The Level One course aims to improve students' ability in both written and spoken Māori. The basic grammatical structures of Year 10 are built on, in order to allow students to gain greater fluency in their speech and writing. By the end of this year students can converse with Te reo Māori speakers in familiar social situations and cope with some less familiar ones.
- Study of Māori Language offers many areas for graduates to pursue careers in: teaching, research, archives, property, administration, policy advice, health work and social work. Knowledge of Māori is increasingly expected and required of those seeking to study in Postgraduate courses at University.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91085	Whakarongo kia mōhio ki te reo o tōna ao The student understands spoken language from familiar contexts	6	Term 1 Ā-roto
91086	Kōrero kia whakamahi i te reo o tōna ao The student is able to speak on a topic from familiar contexts	6	Term 2 Ā-roto
91087	Pānui kia mōhio ki te reo o tōna ao The student understands written language from familiar contexts	6	Term 4 Ā-waho
91088	Tuhi i te reo o tōna ao The student is able to write on a topic from familiar contexts	6	Term 4 Ā-waho

(Ā-roto – Internal / Ā-waho – External)

Pre-requisites: Year 10 Māori automatic entry and/or those who are able to demonstrate a real and committed ability to learn Te Reo Māori.

Entry will be at the discretion of the Teacher in Charge and will involve an interview.

HOD Lynda Scott Araya: [lyndas@waitakibhs.school.nz](mailto:lyndas@waitakibhs.school.nz)



# Technology 101 (TEC101)

The Course:

- In Technology at Level One, you will learn how to design and make products using resistant materials.
- You will work through a design process that will include working with a real client, research, freehand sketching, model making, computer aided design (CAD) and practical work
- The ratio of design work to practical work is 50:50

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
91057	Implement basic procedures using resistant materials to make a specified product	6	End of Term 2
90146	Use design ideas to produce a conceptual design for an outcome to address a brief	6	Start of Term 3
91047	Undertake development to make a prototype to address a brief	6	Start of Term 4
91063	Produce freehand sketches that communicate design ideas	3	External

Pre-requisites: To be able to enter in this course you need to have been successful at Technology at Year 10. Entry to the course is at the discretion of the Head of Department.

HOD Technology: Mr R Suter - richards@waitakibhs.school.nz



# NCEA Technology 201 (TEC201)

## The Course:

- Students build on the skills and knowledge learned at NCEA Level 1 and use an increasing wide variety of machines and hand tools. They will also gain knowledge of complex practices and processes. Students will extend their knowledge of design and materials, with an expectation around using this knowledge to make informed decisions when designing and planning projects to meet a brief. Students will gain credit from a combination of written and practical work that demonstrate clear reasons for the decisions made when designing and manufacturing a project, using the appropriate unit or achievement standards, depending on the needs of the individual student.
- The focus is on creativity, design, digital literacy, research and development.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
AS91063	Implement advanced procedures using resistant materials to make a specified product with special features	6 credits	End of Term 1
AS91356	Develop a conceptual design for an outcome	6 credits	End of Term 2
AS91357	Undertake effective development to make and trial a prototype	6 credits	Term 4
AS91358	<i>*Optional external standard.</i> Demonstrate understanding of how technological modelling supports risk management	4 credits	Term 4

Pre-requisites: Students need to have a sound understanding in Technology a Level 1. Entry to the course is at the discretion of the Head of Faculty.

HOD Technology: Mr R Suter - richards@waitakibhs.school.nz

# NCEA Technology 301 (TEC301)

## The Course:

- Level 3 Technology is for students who enjoy developing practical intelligence to problem solve through concept design and development. Students will operate within real world contexts, using their initiative to interview a client as to their needs. They will then devise concepts and select complex procedures using a variety of deliberately chosen materials to meet these needs. Students gain credits from a combination of written and practical work that demonstrates clear decision making when designing and building a project, using the appropriate unit or achievement standards, depending on the needs of the individual student.
- The focus is on creativity, independence, practical intelligence, research and development.

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
AS91622	Implement complex procedures to make a specified product using a CNC machine	4 credits	End of Term 1
AS91610	Develop a conceptual design considering fitness for purpose in the broadest sense	6 credits	End of Term 2
AS91611	Develop a prototype considering fitness for purpose in the broadest sense	6 credits	Term 4

Pre-requisites: The course is available to students who have achieved at Level 2 Technology. Entry to the course is at the discretion of the Head of Faculty.

HOD Technology: Mr R Suter - [richards@waitakibhs.school.nz](mailto:richards@waitakibhs.school.nz)

WAITAKI BOYS' HIGH SCHOOL

# Construction Technology

## 301 (CON301)



The Course:

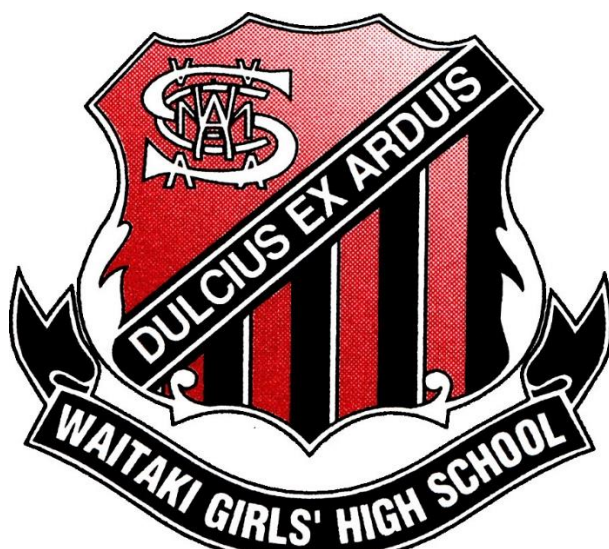
- In Construction Technology at Level Three, you will learn how to work independently to design and make large-scale products using resistant materials.
- You will get the opportunity to work in team and individually
- The course is affiliated with the BCITO

The following standards are available to you:

Standard No.	Standard Title	Credits	Assessment Timeframe
29684	Undertake a stage 3 BCATS project	12	End of Term 3
29680	Communicate and work collaboratively on a a stage 3 BCATS project	5	Start of Term 3
91622	Measure and calculate for a a stage 3 BCATS project	3	Start of Term 3

Pre-requisites: To be able to enter in this course you need to have been successful at a Technology subject at Level Two. Entry to the course is at the discretion of the Head of Department.

HOD Technology: Mr R Suter - [richards@waitakibhs.school.nz](mailto:richards@waitakibhs.school.nz)



The following pages are subjects that are being offered by Waitaki Girls' High School for those boys wishing to take them

# Food Technology and Nutrition (FTN301)

## Level 3



### What qualification can I get from this course?

NCEA Level 3. Literacy credits available. To gain Level 3 Food Technology and Nutrition achievement standards, students submit written internal reports and complete an external examination. The course is recommended for students interested in careers related to nutrition, health and well-being, food technology, culinary arts, food design, the food industry and community and social services.

### How do I know I am likely to be successful in this subject?

Students who have been successful have English Level 2 achievement standards (14credits). A high level of literacy research and report writing is required to achieve these credits along with a committed work ethic. You need an interest in nutrition, food preparation and the overall health of New Zealand society. A willingness to take part in all practical aspects of the subject.

### What will I learn?

Practical cooking once a week which supports but is not assessed. The course is focused on a variety of nutritional aspects and how they affect New Zealanders both at an interpersonal and societal level. It encourages informed food choices to promote good health and well-being. Throughout this course you will gain skills and knowledge regarding:

- Current nutritional issues affecting NZ society
- Health promoting strategies
- Determinants of health
- The effect of media and advertising on food choice and well-being
- The effect of lifestyle and diet on individuals and society
- Recipe design and adaption
- Practical skills for food preparation and presentation

### What equipment/stationery do I need?

1x 2B8 (A4 hardcover book)  
1x 40 page clear file  
A suitable container for taking home practical work

### What will this course cost?

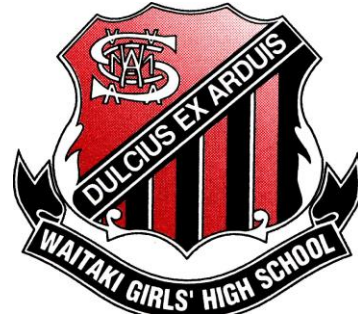
\$80.00 for ingredients

### Who should I see for further advice?

Ms B Gillies (HOL)

# Tourism (TOU301)

## Level 3



Year 13 may also select Level 2 Tourism as a second subject if they wish to complete the New Zealand Certificate in one year.

### **What qualification can I get from this course?**

This will provide the Level Three Unit Standards that are required to complete the NZ Certificate in Tourism and Travel (Introductory Skills) Level Two. Credits also go towards NCEA 3.

The course can be adapted to meet individual requirements. Students may do 13 Tourism, without studying at Year 12, but if a completed New Zealand Certificate is your goal, you do need to study both 12 Tourism and 13 Tourism.

Vocational pathways this course contributes to: service industries.

### **How do I qualify to take this subject?**

An interest in the New Zealand Tourism Industry

### **What will I learn?**

Students will:

World Travel Geography

- learn knowledge of New Zealand and Australian tourism destinations.
- develop skills related to working in the tourism and travel industry.
- develop an awareness and understanding of the economic significance of the tourism industry in New Zealand and the world.
- Learn knowledge about Australia, UK and Eire as tourism destinations.

### **What is this subject necessary for?**

Tourism is a vocational course that may lead directly to employment. Students may also move on to Tertiary study in Tourism, Hospitality and Travel.

### **What equipment/stationery do I need?**

Electronic device (if possible). The school is able to provide devices as required. Clearfile.

### **What will this course cost?**

Time and commitment.

### **Who should I see for further advice?**

Ms P Holdsworth

Mr G Smith

# Senior Options Selection 2020

Name \_\_\_\_\_

Level	Code	X
L1	ACC101	
L1	AGR101	
L1	ART101	
L1	DIG101	
L1	ECO101	
L1	ENG101	
L1	ENG102	
L1	ENG103	
L1	ESL123	
L1	FUR103	
L1	GEO101	
L1	GRA101	
L1	HIS101	
L1	MAO101	
L1	MAT101	
L1	MAT102	
L1	MET103	
L1	MAT103	
L1	MUS101	
L1	PED101	
L1	RFW103	
L1	SCI101	
L1	SCI102	
L1	SCI103	
L1	TEC101	

Level	Code	X
L2	ACC201	
L2	AGB 201	
L2	AGR 202	
L2	BIO201	
L2	ESL200	
L2	CHE201	
L2	CON203	
L2	DIG201	
L2	ECO201	
L2	ENG201	
L2	ENG202	
L2	ENG203	
L2	FUR203	
L2	GTW203	
L2	GEO201	
L2	GRA201	
L2	HIS201	
L2	MAT201	
L2	MAT202	
L2	MET203	
L2	MAT203	
L2	MUS201	
L2	PAT201	
L2	PED201	
L2	PHO201	
L2	PHY201	
L2	RFW203	
L2	SCI201	
L2	TEC201	

Level	Code	X
L3	ACC301	
L3	AGR 302	
L3	BIO301	
L3	CHE301	
L3	CON303	
L3	ECO301	
L3	ENG301	
L3	ENG302	
L3	ESL300	
L3	DIG301	
L3	FTN301*	
L3	GTW303	
L3	GEO301	
L3	GRA301	
L3	HIS301	
L3	MAC301	
L3	MAS302	
L3	MAT302	
L3	MAT303	
L3	MED301	
L3	MUS301	
L3	PAT301	
L3	PED301	
L3	PED302	
L3	PHO301	
L3	PHY301	
L3	STU301	
L3	TEC301	
L3	TOU301*	

+ ARA Courses		ARAE
		ARAO
		ARAH2
*Subjects taken at WGHS		ARAH3