



Waitaki Girls' High School

Subject Information Guide

Level 1, 2, 3

Respectful

Kia Whakaute

Responsible

Kia Haepapa

Resilient

Kia Kaha i kā katoa

Time-line for Selecting Courses

Important Dates

Monday 5th August

Curriculum booklets available online.

Wednesday 14th August

Parent/Teacher student subject interviews

Thursday 15th August

Online selections opens on the Parent Portal

Thursday 22nd August

Subject and pathways information during Period 5 and between 7.00-8.00pm in MK Dunning Hall for students and parents. Heads of Learning will be available to discuss course content and workload.

Monday 26th August

Course Selection for 2020 to be completed either online (via parent portal) or handed into the office.

Dates for 2020

| | |
|---------------|--------------------------|
| Term 1 | 27 January to 9 April |
| Term 2 | 28 April to 3 July |
| Term 3 | 20 July to 25 September |
| Term 4 | 12 October to 8 December |

The Waitaki Way

Respectful (Kia Whakaute): Care and consideration for self, others, and the school environment

Responsible (Kia Haepapa): Make the best decision possible and take ownership of your actions

Resilient (Kia Kaha I kā katoa): Be prepared to persevere and explore solutions.

Classroom Expectations

- Arrive on time.
- Be prepared, bring the correct equipment to class.
- Use appropriate language - avoid put downs.
- Respect for everyone in the classroom

Instructions for completing course selection on-line

1. Go to school website www.waitakigirlshigh.school.nz
2. Click on parent portal
3. Log on using student username (e.g. jsmith) and password; these were sent to you in an email outlining the use of the parent portal. If you are unsure of your password, please phone the school office—434 8429.
4. Click on 'course selection' tab on left-hand side of the page. Instructions for this process will appear on the screen.
5. Select a subject from those offered in each drop down box.
6. Click 'save'

NB: If you are unable to access the parent portal, students will need to collect a course selection form from the office.



The School Motto

"Dulcius ex Ardius"

"There is satisfaction to be gained from working hard".

Our vision:

"Young women well-equipped for the world."

| | |
|---------------------------------|---------------|
| Principal | Ms Walker |
| Deputy Principal | Ms Williams |
| Assistant Principal | Mrs Williams |
| Deans: | Mrs Wright |
| Year 9 | Mrs Hudson |
| Year 10 | Dr McIntyre |
| Year 11 | Mrs Bain |
| Year 12 | Ms Sinclair |
| Year 13 | Mrs Corlet |
| Guidance Counsellor | Mrs Hay |
| Careers Advisor | Mrs S Grant |
| Executive Officer | Mrs Sime |
| Principal's PA | Mrs Leslie |
| Office Staff | Mrs Mackenzie |
| | Mrs Bowmar |
| Sports Coordinator | Mrs Jones |
| Librarian | Mrs Robinson |
| Uniform shop/Science technician | Mrs Boraman |

Daily Routine

| | Mon | Tues | Wed | Thurs | Fri |
|-----------------|---------------|--------------------------------------|---|---------------|-----|
| Period 1 | 8.40-9.40am | 8.40-9.35am | 8.40-9.25am Peer Support/ Drama/Choir/Staff PD | 8.40-9.40am | |
| Whānau | 9.40-10.00am | 9.35-10.05 Assembly/ Mentoring | 9.25-10.20am Period 1 | 9.40-10.00am | |
| Period 2 | 10.00-11.00am | 10.05-11.00am | 10.20-11.15am | 10.00-11.00am | |
| Interval | 11.00-11.25am | 11.00-11.25am | 11.15-11.40am | 11.00-11.25am | |
| Period 3 | 11.25-12.25pm | 11.25-12.25pm | 11.40-12.35pm | 11.25-12.25pm | |
| Period 4 | 12.25-1.25pm | 12.25-1.25pm | 12.35-1.30pm | 12.25-1.25pm | |
| Lunch | 1.25-2.20pm | 1.25-2.20pm | 1.30-2.20pm | 1.25-2.20pm | |
| Period 5 | 2.20-3.20pm | 2.20-3.20pm | 2.20-3.20pm | 2.20-3.20pm | |

Young women well-equipped for the world

Waitaki Girls' High School



Subject Information Guide

Years 11, 12 and 13

This guide provides students and their caregivers with information about the subjects available at the senior level, the examination requirements and the various certificates and awards. It is hoped that this information will assist students and caregivers as they seek to make the right decisions about next year's course of study.

Please:

- read it carefully
- talk over the possibilities with the adults you live with, your teachers, counsellors, deans or careers adviser
- check the previous qualifications and entry requirements needed to take a subject or course
- check the Subjects List to make sure that it continues onto higher levels

Students should seek to follow a broad-based general course of study for as long as possible. Early specialisation is not recommended. Our staff are happy to give help and advice. If desired, appointments can be made by contacting the year level dean on 434 8429.

Course Selection

Selecting a course from the subjects offered in the Course Selection Book is not a guarantee that you will achieve your complete selection particularly at Years 12 and 13.

Staffing is allocated to schools according to Government determined teacher-student ratios. If the number of students electing to study a given subject is insufficient, the class may not be available. Every endeavour will be made to accommodate student requests but where classes are below the viable size, one of the following options could be possible.

1. Combine levels e.g. Years 12 and 13
2. Distance Learning (via Google Hangouts)
3. Combined class with WBHS **or**
4. Select an alternative subject

Choosing a Course of Study

| Ability | + | Interest | + | Occupation | = | Subject Choice |
|---|---|--|---|---|---|--|
| How good are you at a subject? | | What do you enjoy? | | If you know what you would like to be, ask the Careers Adviser which subjects you need to take. | | Investigate carefully all subjects you are interested in. |
| Assessment results will help you to determine your ability. | | Do you like the work or is it just that you like the teacher? | | | | |
| Discuss your ability level with your teachers. | | If you are interested in the subject you are most likely to do well. | | If you don't know what you want to be, keep your options open by not specialising too soon. | | Make your final choice, keeping in mind the formula above. |

Multi Level Study

It is possible for students to study a subject at a level appropriate to their level of competence, subject to Head of Learning approval.

Helpful Hints for choosing Options Aligned with Career Choice

It is important to keep options open so that a range of career pathways will be available when making the transition beyond school. However, many tertiary study courses make recommendations for background study. As students move into the Senior school, many have established career and/or tertiary study goals. Outlined below are some of the requirements for the more common degree areas studied beyond school. All degree study requires University Entrance. As this list is not exhaustive, please contact the Careers Advisor if you have other specific queries.

| DEGREE | REQUIREMENTS |
|--|--|
| Health sciences | First year study is necessary for moving into Medical, Physiotherapy, Dentistry, and Pharmacy careers. Strongly recommended that Level 3 Biology, Chemistry, Physics, Statistics or Calculus and English rich subjects be taken. |
| Architecture | Level 3 Calculus, Physics, English and one subject in creative areas such as Art, Design or Graphics recommended. 16 Level 3 credits in Calculus or Physics required or will have be included in first year programme of study. |
| Arts | English extremely useful and Arts subjects such as History, Geography, Economics useful. Statistics useful for advanced study in Political Science, Psychology, Sociology. |
| Commerce | Calculus and/or Statistics recommended for all commerce subjects, particularly Finance and Computer Science. Accounting and Economics useful for most Commerce subjects. |
| Creative Arts | Degree study requires UE and usually submission of a portfolio. Very useful to take some combo of Level 3 Art (Design, Painting, Photography) and/or Graphics. |
| Engineering | (Civil or Mechanical) Calculus, Physics and Chemistry essential for any Engineering major—14 credits in each recommended but 18 credits strongly recommended. English is also very useful. Direct Entry to 1st year at Canterbury University is possible with Outstanding Level 3 results, i.e.—Excellence Credits in Calculus, Physics and Chemistry. |
| Information Science | Level 3 Statistics, English and DIT helpful. |
| Journalism | English rich subjects (i.e. English, History, Classics, Drama) useful plus work experience in the industry helpful. |
| Law | Essay-based subjects such as Level 3 English, History, Economics and Geography are useful. |
| Marketing | Level 3 Statistics and English |
| Nursing | For Otago Polytech, a minimum 14 Level 3 credits (18 recommended) in English rich subject, Biology and/or Chemistry (advised to have both plus a current First Aid Certificate). For ARA and SIT similar entry requirements. For Massey Uni, Level 3 Biology (14+ credits) plus supporting credits include Chemistry, Physics, Statistics, English, History and Geography. |
| Performing Arts | Otago Contemporary School of Music, Christchurch Jazz School, NZ Drama School, NASDA etc. all require music and/or drama respectively, to gain entry. |
| Physical Education | PE is now part of a BSc or BApSc. Level 3 Biology, Statistics, PE recommended. Chemistry and Physics helpful. |
| Psychology | Level 3 Biology, Statistics, English. |
| Science | Check with Careers Advisor or your Whānau teacher for each of the different majors. |
| Social Work | Level 3 English, Classics, History, Geography and Economics useful. Statistics useful for advanced study. |
| Teaching | Early Childhood and Primary—entrance is competitive therefore good academic and people skills essential. Level 3 English and Mathematics, Science, Māori extremely useful. |
| Vet Science | Year 13 Biology, Chemistry, Physics, Calculus, and Statistics all recommended. However, Statistics preferred if choice has to be made. |
| Apprenticeships: There are specific requirements regarding subjects studied and achievement for the various types of apprenticeships, check with the Careers Team. It is important for all students considering this pathway to achieve the best possible results in English and Mathematics at Level 1 and achievement of Level 2 helpful. | |



Curriculum Pathways:

Where your learning leads

| | Year 9 | Year 10 | Year 11 | Year 12 | Year 13 |
|--|---|--|--|--|--|
| Art: Ngā Toi | Art Music Performing Arts | Art Drama Music | Art Music | Art: Design Art: Painting Art: Photography Music | Art: Design Art: Painting Art: Photography Music |
| English: Te Reo Pākeha | English | English | English English Alternative | English English Alternative | English Media Studies |
| Languages: Ngā Reo | German Japanese Mandarin Te Reo (Distance Learning) | German Japanese Mandarin Te Reo (Distance Learning) | German Japanese Mandarin (Distance Learning) Te Reo (Distance Learning) | German Japanese Mandarin (Distance learning) Te Reo (Distance Learning) | German Japanese (Distance Learning) Te Reo (Distance Learning) |
| Mathematics: Pāngarau | Mathematics | Mathematics | Mathematics Mathematics for Numeracy | Mathematics—Bridge Mathematics Mathematics and Statistics | Mathematics with Calculus Mathematics and Statistics |
| Health & Physical Education: Hauora | Health and Physical Education | Health and Physical Education | Physical Education | Physical Education Practical Physical Education | Physical Education |
| Science: Pūtaiao | Science | Science Agricultural Studies | Agricultural Studies Science Skills Science | Agricultural studies Biology Chemistry Physics | Agriculture/ Agribusiness Biology Chemistry Physics |
| Social Science: Tikanga-ā-Īwi | Social Studies | Social Studies | Business Geography History | Accounting Economics Geography History Tourism | Accounting Classical Studies Economics Geography History Tourism |
| Technology: Hangarau | Digital Technology Design & Visual Communication (DVC) Food Technology Textiles Technology | Digital Technology Food Technology & Nutrition Textiles Technology | Digital Technology Food Tech & Nutrition Textiles Technology | Digital Technology Food Tech & Nutrition Graphics & Design (WBHS) Textiles Technology | Digital Technology Food Tech & Nutrition Graphics & Design (WBHS) Textiles Technology |
| Transition | | | Transition | Dual Pathway Gateway Transition *Personal Wellbeing | Dual Pathway Gateway Transition *Personal Wellbeing |
| Guidance Notes | All programmes compulsory | English, Health, Mathematics, Physical Education, Social Studies, Science compulsory | Maths, English and Science compulsory | English compulsory | Student selected course |

* All Year 12 & 13 students have a personal wellbeing programme for one hour per week, covering topics such as leadership; healthy relationship and preparation for employment. This program does not offer NCEA credits but is intended to develop life skills.

Year 11

To achieve this qualification, students have to accumulate a total of 80 credits across all their subjects (there can be up to 24 credits from each subject).

Credits can be obtained through **achievement and unit standards**.

Some standards will be **internally assessed** (achieved through classwork tests, assignments and examinations), and the remaining standards will be **externally assessed** (achieved through national examinations at the end of the year).

NCEA certificates may be gained with Merit or Excellence endorsement. To be eligible for this, a student must gain 50 credits at Merit for Merit endorsement, and 50 credits at Excellence for Excellence endorsement. In addition, a student may also gain course endorsement. To gain Excellence endorsement, a student must gain 14 credits from a course in Excellence; 3 of these standards must be internal credits and 3 must be external credits. To gain Merit endorsement, a student must gain 14 credits from a course in Merit; 3 of these standards must be internal credits and 3 must be external credits. Physical Education is exempt from these requirements as it is totally internally assessed.

During the year, staff will discuss with Year 10 students the range of courses available and the most appropriate choice.

In English, Mathematics and Science there are alternative courses available for students who find academic work difficult. These courses will include sufficient achievement or unit standards to meet the literacy and numeracy requirements of Level 1 NCEA. To gain NCEA Level 1, a student must gain credits which meet the literacy and numeracy requirements. These credits can be obtained through a number of standards across a range of subjects. These standards will be identified in subject information guides which are given to students at the beginning of Year 11.

All students are to select six subjects for NCEA. English, Mathematics and Science are compulsory and three other subjects are selected.

Year 11 Subjects

All students must do an English, a Mathematics and a Science subject. Students will be directed into the most appropriate course of study.

Students may choose the remaining NCEA subjects from the following list:

THE ARTS: *Ngā Toi*

Art

Music

LANGUAGES: *Ngā Reo*

German

Japanese

Mandarin (Distance Learning)

Te Reo (Distance Learning)

PHYSICAL EDUCATION: *Hauora*

Physical Education

SOCIAL SCIENCES: *Tikanga-ā-Īwi*

Business

Geography

History

TECHNOLOGY: *Hangarau*

Food Technology & Nutrition

Digital Technology

Textiles Technology

TRANSITION

SCIENCES: *Pūtaiao*

Agriculture

Dual Pathways

These courses are Polytechnic based. As these courses are Level 2 & 3 Year 11 students will be considered on an individual basis. Students will have the opportunity to gain at least 20 credits in the chosen Pathway. Students will be out of school one day per week **and need to be committed to staying at school all year**. Students must go to their course every week. There will be contracts between the Polytechnic, School, Student



Year 11 Stationery List

| | |
|---|---|
| Agriculture | A4 folder and refill |
| Art | A3 art folder (clear file). A3 drawing pad (paper thickness needs to be minimum 110gsm.) Pencil set with a range of leads from HB-6B. Paint set and personal brushes for homework. (You may use equipment from Year 10) |
| Business | 1 B5 book or A4 folder and refill, calculator |
| Digital Technology | Visual Diary 60 leaf, recommended 8G usb |
| English | A4 folder and refill or 2B8 (A4 hardcover book) plus refill for published work. |
| English Alternative | 2B8 hardcover book (A4 hardcover book) |
| Food Technology | 1x 2B8 (A4 hardcover book), 1x 40 page clear file |
| Geography | A4 folder and refill or 2B8 book (A4 hardcover book), coloured pencils and a clear 30cm ruler |
| German | 1x clear file folder, A4 folder and refill |
| History | A4 folder, dividers and refill |
| Japanese | 1x 1B8 notebook, A4 folder and refill |
| Mandarin | Stationery to be advised |
| Maths | 2x 1E8 Quad books, Calculator—the graphic calculator is a great investment now |
| Maths - Numeracy | 2x 1E8 Quad books, calculator |
| Music | 40 page A4 clear file, refill pad, music manuscript book |
| Physical Education | A4 folder and refill, dividers or 2 x 20 packet clear files |
| Science | A4 lever arch folder and refill, dividers (set of 5) |
| Skills Science | 2B8 book (A4 hardcover book) or a folder with refill paper. |
| Textiles Technology | 3x 20 page clear files, white printing A4 paper, colouring pencils |
| Transition | A4 folder, (5) dividers and refill |
| NB: It is recommended that all students have their own pen drive (2G minimum); eraser, black, blue and red pens, highlighters, glue stick, ruler and scissors | |

Level 1

What qualification can I get from this course?

22 credits towards NCEA Level 1. Standards in this course are recommended for Vocational Pathways in: creative industries.

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

Year 10 Art or evidence of ability in Art.

What will I learn?

Half of this year's work is internally assessed. You will complete two internal assessments and one external. You will work on a theme and produce drawings, paintings and prints based on a topic. Drawing is an important aspect of Art, therefore be prepared by practicing now. At the end of the year you will submit a two-panel folio for nation-wide assessment.

Although not compulsory to be able to progress to Level 2 Design and Photography, Level 1 art students *will* have the advantage due to folio experience and having acquired an additional year of art knowledge.

Achievement Standards

| | | | |
|-----|------------|----------|-------------------------|
| 1.2 | 4 credits | Internal | Total 22 credits |
| 1.3 | 6 credits | Internal | |
| 1.4 | 12 credits | External | |

What equipment/stationery do I need?

| | | | |
|--------------------------------|----------------|-----------------------|--|
| A3 Art folder (clear file) | A3 Drawing pad | Paint set and brushes | Art Pack (you may use your equipment from Year |
| Pencils HB, 2B, 3B, 4B, 5B, 6B | | | |

What will this course cost?

Art Materials Extra materials may be bought through Ms McIntosh if, and as, required. (Price of these may be up to \$50.00)

\$40.00 for paint, paper, other art products and courier for external assessment

Who should I see for further advice?

Ms A McIntosh

Level 1

What qualification can I get from this course?

Credits towards NCEA Level 1. Standards in this course contribute to Level 1 Literacy and are recommended for Vocational pathways in: creative industries.

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

Entrance is open to all students, although those that have learned, or are currently learning an instrument, will be at an advantage. It is preferable for standards to be involved in learning a musical instrument or voice tuition and have experience reading music.

What instruments could I learn?

| | | |
|-------------|-------------|--------|
| Piano | Bass Guitar | Guitar |
| Clarinet | Cello | Flute |
| Double Bass | Saxophone | Violin |

More instruments may be offered depending on student demand.

What will I learn?

Students will:

- develop a practical knowledge of music by listening to music and through discussion
- develop ideas in music by experimenting, composing pieces of original music
- communicate and interpret music through performance
- Study music works in depth and develop critical thinking skills

Teacher chooses a mix of standards depending on student interest and strengths.

What is this subject necessary for?

NCEA Level 2 Music

What equipment/stationery do I need?

Ringbinder, refill pad, and music manuscript refill

What will this course cost?

Cost of hiring an instrument for itinerant music lessons if required

Who should I see for further advice?

Miss O Gonzales

English

Level 1

What qualification can I get from this course?

This course is a mixture of internally and externally assessed standards. You will have the opportunity to meet the literacy requirements for Level 1 NCEA and also gain credits towards your Level 1 NCEA certificate standards.

Standards in this course are recommended for Vocational Pathways in: service industries, manufacturing and technology, primary industries, construction and infrastructure, social and community services and creative industries.

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

Year 10 English.

What will I learn?

English Level 1 continues to build strong writing and reading skills. Clear communication is essential in all aspects of life. In Level 1 English you will have the opportunity to develop your speaking skills, write in a variety of ways, analyse and evaluate different text types.

Assessment is a mixture of internally assessed standards and the NCEA Level 1 external examination in November.

What is this subject necessary for?

Level 2 English

What equipment/stationery do I need?

2B8 or A4 Folder and refill

What will this course cost?

Optional examination revision guide \$20.00

(This will be confirmed in 2020).

Who should I see for further advice?

Mrs S Johnston or your current English teacher.

English Alternative

Level 1

What qualification can I get from this course?

You will have the opportunity to meet the literacy requirements for Level 1 NCEA and also gain credits towards your Level 1 NCEA Certificate. The focus of this course is on internally assessed standards. It is for students who might work towards NCEA Level 1 over a period of two years. Standards in this programme are recommended for Vocational Pathways in: primary industries, service industries, social and community services, and creative industries.

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

Year 10 English.

What will I learn?

This course will give you the opportunity to build on your reading and writing skills. You will focus on developing your abilities to meet the standard needed for NCEA Level 1.

The programme is flexible and will be adjusted to meet student needs. Both unit standards and achievement standards may be offered. Work from this course may provide evidence for Level 1 literacy.

What is this subject necessary for?

Year 11 English or Level 2 English Alternative .

What equipment/stationery do I need?

2B8 (A4 hardcover book) for class notes

Who should I see for further advice?

Mrs S Johnston or your current English teacher.

Level 1

What qualification can I get from this course?

Standards in this programme will contribute to credits towards NCEA Level 1 and are recommended for the vocational pathways, in particular social and community services, service industries and creative industries.

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

Preferably students will have taken this language at Year 10. Those who have not previously studied the language will need to see the Head of Learning.

What will I learn?

At Curriculum Levels 3 and 4, students were expected to understand and produce information and ideas and express and respond to personal needs and interests. The content and language of the communication was targeted at describing concrete aspects of their own background and immediate environment.

By the end of Curriculum Level 6, the content and language of the communication is now targeted beyond the immediate context (including past and future tenses), to include appropriate expression of opinions using a variety of text types. They learn to communicate in formal and informal situations, communicate about problems and solutions, immediate plans, hopes and intentions and gain an understanding and appreciation of German culture. They will also demonstrate an understanding of a variety of spoken and written German on areas of most immediate relevance.

Contexts covered include describing yourself and others, home, social life, school, travel and special occasions.

What equipment/stationery do I need?

Workbook (to be ordered through the Language Department)

1B8 notebook from Year 10, 1 clear file folder, A4 folder and refill.

What will this course cost?

\$30.00 for subscription to a Language Learning Website (optional)

Who should I see for further advice?

Mrs J Grant

Japanese

Level 1

What qualification can I get from this course?

Standards in this programme will contribute credits towards NCEA Level 1 and are recommended for the Vocational Pathways, in particular social and community services, service industries and creative industries.

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

Preferably students will have taken this language at Year 10. Those who have not previously studied the language will need to see the Head of Learning.

What will I learn?

At Curriculum Levels 3 and 4, students were expected to understand and produce information and ideas and express and respond to personal needs and interests. The content and language of the communication was targeted at describing aspects of their own background and immediate environment.

By the end of Curriculum Level 6, the content and language of the communication is now targeted beyond the immediate context (including past and present tenses), to include appropriate expressions of opinions. They learn to communicate in formal and informal situations, communicate about problems and solutions, immediate plans, hopes and intentions and gain an understanding and appreciation of Japanese culture. Students will also learn more Kanji.

What equipment/stationery do I need?

Stationery to be advised

What will this course cost?

\$30.00 for subscription to a Language Learning Website (optional)

Who should I see for further advice?

Mrs C Williams

Level 1

What qualification can I get from this course?

Standards in this programme will contribute to credits towards NCEA Level 1 and are recommended for the vocational pathways, in particular social and community services, service industries and creative industries.

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

Preferably students will have taken this language at Year 10. Those who have not previously studied the language will need to see the Head of Learning.

What will I learn?

At Curriculum Levels 3 and 4, students were expected to understand and produce information and ideas and express and respond to personal needs and interests. The content and language of the communication was targeted at describing concrete aspects of their own background and immediate environment. E.g jobs, directions, introductions, describing location.

By the end of Curriculum Level 6, the content and language of the communication is now targeted beyond the immediate context (including past and present tenses), to include appropriate expression of opinions. They learn to communicate in formal and informal situations, communicate about problems and solutions, immediate plans, hopes and intentions and gain an understanding and appreciation of Chinese culture.

Knowledge of Chinese characters is also developed and is an essential part of the course.

What equipment/stationery do I need?

Stationery to be advised as this course would be offered through distance learning.

What will this course cost?

\$30.00 for subscription to a Language Learning Website (optional)

Who should I see for further advice?

Mrs J Grant

Mathematics

Level 1

What qualification can I get from this course?

22 credits towards NCEA Level 1.

Standards in this course are recommended for vocational pathways in: creative industries, construction and infrastructure, manufacturing and technology, primary industries, service industries, social and community

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

Working at curriculum Level 5 or above in Year 10 Mathematics.

What will I learn?

- Problem-solving techniques
- Algebraic manipulation, equation solving and graph work
- Number skills
- Statistics – using the statistical enquiry cycle
- Probability

What equipment/stationery do I need?

Graphic or Scientific calculator, ruler

2 x 1E8 Quad books (Maths exercise books)

Who should I see for further advice?

Mrs L Lane

Mathematics for Numeracy

Level 1

What qualification can I get from this course?

Level 1 Achievement Standards - up to 22 credits

The progression from this course is generally to the Mathematics to Bridge course at Level 1/2.

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

Year 10 Mathematics. This course is designed for students who find Mathematics difficult and want to develop their basic skills. I have a good work ethic.

What will I learn?

Numeracy includes knowledge and skills needed to apply mathematics to everyday family and financial matters, learning, work and community tasks, social and leisure activities.

The core areas of study are:

- Number** - Whole numbers, fractions, decimals, percentages. Using calculations, using tables and graphs to solve problems.
- Measurement** - Time, length, area, volume, angles, scale drawing
- Statistics** - Use the general features (mean, median, mode trend, range) to interpret the data and draw a reasonable conclusion
- Geometry** - Transformations, Constructions, location

What equipment/stationery do I need?

Scientific calculator, ruler

2 x 1E8 Quad books (Maths exercise books)

Who should I see for further advice?

Mrs L Lane

Physical Education

Level 1

What qualification can I get from this course?

23 Credits towards NCEA Level 1 (100% internally assessed).

Standards in this course contribute to Level 1 literacy.

Standards in this course contribute towards Vocational Pathways in: primary industries, service industries, social and community services, creative industries.

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

N/A

What will I learn?

Students work to:

- Participate in physical activities such as: athletics, tennis, softball, cricket, touch, weights, circuits, yoga, aerobics, body jam, unihoc, korfbal, dodgeball, badminton, basketball, netball, hockey, rock-climbing, adventure based learning activities, confidence courses
- Demonstrate quality of movement in badminton, athletics or sport of choice (if available).
- Use strategies to develop interpersonal skills in a group or team
- Examine the basic principles of anatomy, physiology and biomechanics
- Demonstrate responsible behaviour for safety during adventure activities—high ropes and Adventure Based Learning.
- Demonstrate self-management strategies during rock-climbing

What equipment/stationery do I need?

PE gear, A4 folder, dividers, or 2 x 20 packet display books, refill

What will this course cost?

Term 1: Rock-climbing and High ropes trip to Geraldine and Washdyke (approx. \$100.00)

(These costs will be confirmed in 2020)

Who should I see for further advice?

Mrs D Roberts

Agriculture

Level 1

What qualification can I get from this subject?

Credits towards NCEA Level 1.

This course contributes to: Level 1 literacy and numeracy.

Standards in this course are recommended for Vocational pathways in: primary industries

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

Have an interest in practical and other aspects of agriculture and horticulture. Want to learn about all areas of agriculture/horticulture including farm management, sustainability and the environment.

What will I learn?

You will learn a range of skills and knowledge about:

- Soil properties and management.
- Practical agricultural and horticultural skills.
- Investigative skills in an agricultural setting.
- The impacts of farming on the environment.
- The geographical distribution of agricultural and horticultural industries within New Zealand.
- Livestock management practices.

What equipment/stationery do I need?

A4 folder and refill

What will this course cost?

Agriculture course workbook \$26.00

Field trips \$20.00

(These costs will be confirmed 2020)

Who should I see for further advice?

Mrs V Lilley

Mrs J Wright

Science

Level 1

What qualification can I get from this subject?

Credits towards NCEA Level 1.

This course contributes to Level 1 literacy and numeracy.

Standards in this course are recommended for Vocational pathways in: primary industries, construction and infrastructure, manufacture and technology, service industries, social and community services, creative industries.

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

Year 9 and 10 Science - students will be placed in the science course that best suits their needs.

What will I learn?

- You will learn about microbes and food production.
- How genetic material influences us and is passed on to our offspring.
- The chemistry of acids and bases and how they are used in everyday reactions.
- How mechanics influences the forces, motion and energy that is all around us.

What equipment/stationery do I need?

A4 Lever arch folder and refill paper, dividers (set of 5) and calculator

Who should I see for further advice?

Mrs V Lilley

Skills Science

Level 1

What qualification can I get from this subject?

Achievement Standard credits towards NCEA Level 1.

This course will offer opportunities for students to demonstrate skills which will contribute towards NCEA Level 1 literacy.

This course contributes towards: Level 1 numeracy. Standards in this course are recommended for Vocational pathways in: primary industries, construction and infrastructure, manufacture and technology, service industries, social and community services, creative industries.

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

Year 9 and Year 10 Science – students will be placed in the science course that best meets their needs.

What will I learn?

This subject introduces you to a wide range of topics that impact on you day to day life. Topics will be negotiated at the beginning of the year.

Possible Topics for 2020

- Properties of metals
- Microbiology
- Life processes
- Biological issues
- Implications of heat
- Applications of chemistry
- Earth science events
- Practical investigation

What equipment/stationery do I need?

2B8 (A4 hardcover) book/ or a folder with refill paper

What will this course cost?

There are no extra costs for this course.

Who should I see for further advice?

Mrs V Lilley

Miss A Cross

Level 1

What qualification can I get from this course?

19 credits at NCEA Level 1.

This course contributes to Level 1 Literacy requirements. Standards in this course are recommended for Vocational Pathways in: primary industries, service industries, social and community services, and creative industries.

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

This course is designed as an introduction to the field of Commerce. It incorporates topics from Level 1 Economics and Accounting.

Content:

- Knowledge of the principles and processes commonly found / used in economics.
- How to process accounting information (recording keeping for a small business)
- The importance of decision making.
- How sectors of the economy work together.

What equipment/stationery do I need?

1B5 Book or A4 Folder and refill

Calculator

What will this course cost?

\$12 (approximately) course contribution

Who should I see for further advice?

Mr G Smith

Geography

Level 1

What qualification can I get from this course?

Credits towards NCEA Level 1.

Credits towards NCEA Level 1 literacy and numeracy requirements.

Standards in this course are recommended for Vocational Pathways in: primary industries, service industries, construction and infrastructure, social and community services and creative industries.

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

Open entry – this is the first year of Geography.

Ability in written English, some interest in our environment and the world.

What will I learn?

- Skills of constructing and interpreting maps, graphs and understanding a variety of perspectives, statistics and visual information.
- Knowledge of extreme natural events
- Geographic research
- Describe aspects of a geographic topic at a global scale
- Describe aspects of a contemporary NZ geographic issue
- Or Application of Geographic Information Systems (GIS)

What equipment/stationery do I need?

A4 Ring binder or 2B (A4 hardcover) book

Refill pad

Coloured pencils

30 cm clear ruler

What will the course cost?

Field trips:

Oamaru town centre (no cost)

Other field trips may be offered, depending on the standards being assessed.

Who should I see for further advice?

Ms M Williams

History

Level 1

What qualification can I get from this course?

The Year 11 History course contributes towards a possible 20 credits for Level 1 NCEA.

Standards in this course are recommended for Vocational Pathways in: service industries, social and community services, and creative industries.

Standards offered in this course contribute to NCEA Level 1 literacy.

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

Must be taking NCEA Level 1 full English. An awareness that reading and formal writing are key parts of this subject.

What will I learn?

Thematic Study

Finding Our Place:

- Turangawaewae - Key events in New Zealand History
- Black Civil Rights - USA

Internal Assessment Focus:

- Key historical events - New Zealand History
- Perspectives during a major event in the history of the Black Civil Rights movement in USA

What equipment/stationery do I need?

A4 Folder, dividers and refill

What will this course cost?

Time and commitment

Field Trip—Hocken Library - Dunedin \$30

Who should I see for further advice?

Ms S Hull

Digital Technology

Level 1

What qualification can I get from this course?

Credits towards NCEA Level 1. Assessment is Internal and External. Literacy credits available.

Standards in this course are recommended Vocational Pathways in construction and infrastructure, manufacturing and technology, primary industries, service industries, social and community services and creative industries.

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

The course is open entry but preference is given to those students who have taken the subject in Year 10. If you are new to the subject you may need to do additional training in your own time. If you wish to go on and study Print Design in Year 12 and Web Design in Year 13 you need to take this course.

What will I learn?

The aim of the course is to provide students with the knowledge and skills that will enable them to participate competently in the technological society.

Students will develop the technical practice knowledge and increase their digital skills. The course will encouraged students to develop their skills in design, decision-making, research, keyboard technique industry, file management and communication. Students will learn how to use up-to-date industrial standard software to manipulate images, create quality business standard documents in word processing, use desktop publishing to create graphically designed brochures as well as develop a refined digital outcome to manage data.

Studying Digital Technology will open a huge variety of opportunities and career pathways for the student in this ever expanding environment. Digital Technology is extremely useful for career and study pathways within the computer, ICT and digital design industry: from programmer, system analyst to business Information Systems and the design field of graphics, web design, animation and print media.

What equipment/stationery do I need?

Recommended USB pen drive 8GB.

Visual diary A4 60 pages

What will this course cost?

Students need to be aware that they will need to top up their printing account if they want hard copies throughout the year.

Who should I see for further advice?

Ms B Gillies (HOL)

Food Technology & Nutrition

Level 1

What qualification can I get from this course?

NCEA Level 1. Assessment is Internal and Externals. Literacy credits available.

Standards in this course are recommended for Vocational Pathways in: manufacturing and technology, primary industries, service industries, social and community services.

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

A background in Year 10 Food Technology and Nutrition is preferable.

An interest in nutrition, preparing food and recipe development and design.

A willingness to take part in all practical aspects of the subject.

What will I learn?

The course will explore the importance of food and nutrition in our lives. Throughout this course you will learn about:

- The Food and Nutrition Guidelines
- Functions of macro and micronutrients
- The four dimensions of hauora and how this influences overall well-being
- Reading and interpreting food labels and nutrition information panels
- Health enhancing techniques in the selection and preparation of food
- Interpersonal and societal influences on food choice
- Safe food handling and consumer food safety
- Practical skills for food preparation
- Relating to and working with others
- Technology design process.

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)

Textiles Technology

Level 1

What qualifications can I get from this course?

NCEA Level One. Assessment has Internal and External standards.

Standards in this course are recommended for Vocation Pathways in: construction and infrastructure, manufacturing and technology, primary industries, service industry, social and community services, and creative industries.

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

An interest in the design process, working with textiles.

Year 10 Textiles Technology would be preferable but not a pre-requisite.

Students need to be prepared to spend time at lunch and after school to complete their projects. All sewing is required to be completed at school and paper work can be done at home.

What will I learn?

The senior Textile Design Technology Programme has been designed to give students access to a wide variety of Fashion and Design based skills.

In year 11 students do two Technology projects where students are assessed on their creativity, production skills and time management. They will make an adaptation of a pattern for a specified garment in the first unit and then design and make a garment or item of their choice, in the second unit.

What equipment/ stationary do I need?

3 x 20 leaf clear file, white printing A4 paper

Colouring pencils

2 x Project materials and fabric

What will this course cost?

Students supply project materials, threads, and notions at a cost to themselves.

\$50 is charged for the supply of interfacing, calico for functional modelling.

Who do I see for further advice?

Ms B Gillies (HOL)

Transition

Level 1

What qualification can I get from this course?

Credits towards NCEA Level 1. Standards in this course are recommended for Vocational Pathways in social and community, service industries, creative industries and primary industries.

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

This course is aimed at students who do not want to study 6 full Level 1 subjects. All internally assessed. You need a positive attitude and a willingness to learn and work with self discipline.

What will I learn?

Study Level 1 NCEA - up to 15 credits in work and health related topics:

- CV
- Interviews
- Rights and responsibilities - in the workforce
- Health
 - Personal wellness
 - Personal use of alcohol and drugs
 - Our community

What is this subject necessary for?

Life beyond school.

What equipment/stationery do I need?

A4 Folder, dividers (5) and refill.

What will this course cost?

N/A

Who should I see for further advice?

Mrs V Hay

Year 12

Young women well-equipped for the world

In Year 12, students at Waitaki Girls' High School are usually working towards **NCEA Level 2**. In order to gain a Level 2 Certificate students need to gain 60 Level 2 credits, having first completed their Level 1 Certificate. Some subjects may offer credits at other levels. Students must make sure that their course provides the opportunity to meet the literacy requirements for University Entrance. It is also necessary to have a minimum of 10 Level 1 numeracy credits for University Entrance. Level 2 literacy credits: 5 in reading and 5 in writing.

NCEA certificates may be gained with Merit or Excellence endorsement. To be eligible for this, a student must gain 50 credits at Merit for Merit endorsement, and 50 credits at Excellence for Excellence endorsement.

In addition, a student may also gain course endorsement. To gain Excellence endorsement, a student must gain 14 credits from a course in Excellence; 3 of these standards must be internal credits and 3 must be external credits. To gain Merit endorsement, a student must gain 14 credits from a course in Merit; 3 of these standards must be internal credits and 3 must be external credits. Physical Education is exempt from these requirements as it is totally internally assessed.

Entry into some subjects may be restricted. Priority will be given to students who have demonstrated an understanding of the subject in Level 1. Evidence of this understanding will be achievement of external and internal credits.

NB: Most universities are restricting enrolments to many of their courses and are demanding higher levels of passes for guaranteed entry than the minimum levels required by NCEA. Please check the university websites for more information or see the Careers Advisor. Credits at Merit and Excellence are important.

Waitaki Girls' High School



The following subjects are available at Year 12 and will be offered if numbers warrant the course.

ENGLISH: *Te Reo Pākeha*

English

English Alternative

LANGUAGES: *Ngā Reo*

German

Japanese (Distance Learning)

Mandarin (Distance Learning)

Te Reo (Distance Learning)

MATHEMATICS: *Pāngarau*

Mathematics—Bridge

Mathematics

Mathematics and Statistics

PHYSICAL EDUCATION:

Hauora

Physical Education

Practical Physical Education

TRANSITION

Dual Pathway

Gateway

Transition

TECHNOLOGY: *Hangarau*

Food Technology &

Digital Technology—Print Design

Graphics and Design (offered at WBHS)

Textiles Technology

THE ARTS: *Ngā Toi*

Art—Design

Art—Painting

Art—Photography

Music

SCIENCES: *Pūtaiao*

Agricultural studies

Biology

Chemistry

Physics

SOCIAL SCIENCES:

Accounting

Economics

Geography

History

Tourism

All students in Year 12 will take six subjects including English, plus one period per week of a Life Skills programme, which has a charge of \$20.00 depending on the course.

The Gateway Programme is offered at Waitaki Girls' High School. Students for this programme apply to be involved. Students study 5 subjects and undertake work placement and work-related study. More information is available in the subject area of this booklet. There is a separate New Zealand Certificate available in Tourism.

Dual Pathways

These courses are at Polytechnic. Students will be out of school for one or two days per week. Students on a two day Dual Pathway course will have a fixed school timetable for their three days at school. Students will have the opportunity to gain at least 20 credits in the Pathway they choose. Students need **to be committed to staying at school all year**. Students must go to their course every week. There will be contracts between the Polytechnic, School, Student and Parents. To apply students must write a letter of application to Mrs Hay, before the 20 September.

NB: Most universities are restricting enrolments to many of their courses and are demanding higher levels of passes for guaranteed entry than the minimum levels required by NCEA. Please check the university websites for more information or see the Careers Advisor. Credits at Merit and Excellence are important. Most tertiary scholarships are awarded on Level 2 results, wider school and community involvement.

Year 12 Stationery List

| | |
|---|--|
| Accounting | A4 folder and refill, 14R8 (accounting paper), calculator |
| Agricultural studies | A4 folder, refill and calculator |
| Art—Design | A3 art pad, A3 Art carry-bag, black ink pen, art pencils, pen drive |
| Art—Painting | A3 art pad (Paper thickness needs to be minimum 110gsm.) A3 Art carry-bag. Pencil set with a range of leads from 2B-6B. Paint set and personal brushes for homework. |
| Art—Photography | A3 art pad, A3 Art carry-bag, pen drive, personal camera with manual settings (aperture must range from f2 to f27 at least) |
| Biology | A4 lever arch folder and refill, dividers (set of 5) |
| Chemistry | A4 folder and refill or 2B8 or 2B5 (A4 hardcover book), calculator |
| Digital Technology | Visual Diary 60 leaf, recommended 8G usb or A4 folder with copysafe pockets |
| Dual Pathway | A4 folder and refill |
| Economics | A4 folder and refill, calculator |
| English | A4 folder and refill |
| English Alternative | 2B8 exercise book, refill |
| Food Technology | 1x 2B8 (A4 hardcover book) , 1x 40 page clear file |
| Gateway | A4 folder and refill |
| Geography | A4 folder and refill, coloured pencils, clear ruler |
| German | A4 folder, refill and 1 clear file folder |
| Graphics | 1 x A3 Drawing pad, A3 Art case zipped, 45+ 60 set squares, warm grey number 2 studio marker, warm grey number 5 studio marker, fine point sharpie pen, black fineliner pen, coloured pencils (Aquarell), eraser |
| History | A4 folder and refill, dividers |
| Japanese/Mandarin | A4 folder and refill |
| Maths—Bridge | 2 x 1E8 Quad books, Graphic calculator (CASIO is best) or scientific calculator |
| Maths | 2 x 1E8 Quad books, Graphic calculator (CASIO is best) |
| Maths and Statistics | 2 x 1E8 Quad books, Graphic calculator (CASIO is best) |
| Music | Ringbinder, refill pad, music manuscript refill |
| Physical Education | A4 folder dividers or x6 20 pocket clear files, and refill |
| Physics | A4 folder and refill, calculator |
| Practical Physical Education | A4 folder and refill, dividers or x2 20 pocket clear files |
| Textiles Technology | 3 x 20 page clear files, white printing A4 paper, colouring pencils |
| Tourism | A4 folder and refill, calculator or own device |
| Transition | A4 folder and refill or 2B8 book (A4 hardcover book) |
| NB: It is recommended that all students have their own pen drive (2G minimum); eraser, black, blue and red pens, highlighters, glue stick, ruler and scissors | |

Art-Design

Level 2

What qualification can I get from this subject?

22 credits towards NCEA Level 2 a research standard offered in this course contributes to Level 1 literacy. Other standards are recommended for Vocational pathways in the creative industries.

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

Level 1 Art external or evidence of ability in Art.

The year consists of:

The first 16 weeks are internal based assessments. (12 credits) the last 15 weeks (approximately) will be spent on your folio which is externally assessed (12 credits).

Content:

- Develop research and analytical skills
- Learn about influential Graphic designers and how to use their methods and ideas to advance the students' own art-making
- Learn how to systematically progress an idea from a concept through to the final outcome
- Develop photoshop skills
- Create dynamic and innovative work that expresses the students' own ideas and style

There are numerous creative industries careers. Art-Design is a subject that is invaluable if a student wishes to be an interior designer, graphic designer, magazine artist, architect, tattoo artist, fashion illustrator etc.

Stationery Requirements:

A3 Art pad

A3 Art carry-bag

Basic digital camera is useful but not mandatory, black ink pen, pencils. Photoshop software is advantageous for home use.

\$10.00 for reproduction costs, paper and courier for external assessment.

Up to \$70.00 for folio laser printing .

Who should I see for further advice?

Ms A McIntosh

Art-Painting

Level 2

What qualification can I get from this course?

24 credits towards NCEA Level 2 standards offered in this course contribute to Level 1 literacy and are recommended for Vocational pathways in the creative industries.

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

Level 1 Art external or evidence of ability in Art.

The year consists of:

The first 16 weeks are internal based assessments. (12 credits) The last 15 weeks (approximately) will be spent on your folio which is externally assessed (12 credits).

Content:

- Develop research and analytical skills
- Learn about influential painters and how to use their methods and ideas to advance their own art-making
- Develop and refine painting and drawing skills
- Learn how to be systematic in the 'generation, analysis, clarification, and regeneration' of painting skills
- Create dynamic and innovative work that expresses the students' own ideas and style

Stationery Requirements:

A3 Art pad

A3 Art carry-bag

Paint set and brushes.

\$40.00 for art products (e.g. paint, brushes, card and paper) and courier for external assessment.

Who should I see for further advice?

Ms A McIntosh

Art-Photography

Level 2

What qualification can I get from this course?

24 credits towards NCEA Level 2 standards offered in this course contribute to Level 1 literacy and are recommended for Vocational pathways in the creative industries.

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

Level 1 Art external or evidence of ability in Art.

The year consists of:

The first 16 weeks are internal based assessments. (12 credits) The last 15 weeks (approximately) will be spent on your folio which is externally assessed (12 credits).

Content:

- Develop research and analytical skills
- Learn about influential photographers and how to use their methods and ideas to advance their own art-making
- Develop camera and photoshop skills
- Learn how to be systematic in the 'generation, analysis, clarification, and regeneration' of photographic ideas
- Create dynamic and innovative work that expresses the students' own ideas and style

Stationery Requirements:

A3 Art pad

A3 Art carry-bag

Students require own camera. Camera with automatic AND manual aperture/shutter selection.

\$10.00 for reproduction costs, paper and courier for external assessment.

Up to \$70 for folio laser printing

Who should I see for further advice?

Ms A McIntosh

Level 2

What qualification can I get from this course?

Credits towards NCEA Level 2. Standards offered in this course contribute to Level 2 Literacy and towards Vocational Pathways in the creative industries.

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

- Have passed Level 1 performance standards and one external standard **or**;
- Passed a minimum of Grade 3 practical music or an equivalent standard **or**;
- A consultation with the Head of Learning.

What will I learn?

Students will:

- develop a practical knowledge of music by listening to and experimenting with music and by attempting to notate music through playback and aural realisation
- develop ideas in music by experimenting, improvising, composing and arranging pieces of original music
- communicate and interpret music by performing their own and the music of others
- understand music in context through identifying, describing, analysing and classifying music

Students can choose a mix of standards in consultation with the teacher depending on their interest.

What is this subject necessary for?

NCEA Level 3 Music

What equipment/stationery do I need?

Ring binder, refill pad, music manuscript refill

What will this course cost?

Cost of hiring an instrument for itinerant music lessons if required.

Who should I see for further advice?

Miss O Gonzales

English

Level 2

What qualification can I get from this course?

Credits towards NCEA Level 2, this is the programme that offers the reading and writing credits to meet University Entrance Literacy requirements. Standards in this programme are recommended for Vocational Pathways in: creative industries, social and community services, construction and infrastructure, primary industries, manufacturing and technology, and service industries.

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

At least one Level 1 internal achievement standard in writing and one Level 1 external achievement standard are desirable.

What will I learn?

- Writing skills – particularly transactional writing.
- Close reading of literature – e.g. poetry, novel, short stories, non-fiction
- Oral skills – speeches
- Skills in viewing static and moving images (films).

What is this subject necessary for?

Credits in Level 2 achievement standards will contribute to University Entrance. Level 2 English is also necessary for entry into Level 3 English.

What equipment/stationery do I need?

A4 folder and refill

What will this course cost?

Optional examination revision guide \$20.00

(This will be confirmed in 2020)

Who should I see for further advice?

Mrs S Johnston

English Alternative

Levels 2

This programme is designed for Year 12 students who are not yet ready for a full Level 2 English programme. The focus is on developing reading and writing skills. Most of the assessments are internal; external assessments may be offered to students with sufficiently developed skills. Standards in this programme are recommended for Vocational Pathways in: creative services, primary industries, social and community services construction and infrastructure, and manufacture and technology.

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

A mixture of Level 2 Unit Standards and Level 2 Achievement Standards.

What do I need to do this subject?

Year 11 English or English Alternative in Year 11.

What will I learn?

- Written language – reading and writing.
- Oral language – speaking and listening.
- Visual language - presenting and viewing.
- Level 1 or Level 2.

What is this subject necessary for?

Students may prefer to take English courses at Year 11 or 12 in future years. Note that a minimum of 10 Level 1 literacy credits are needed to gain NCEA Level 1 Certificate. Work produced in this course may also provide evidence for Level 1 literacy. Level 2 English standards are offered. **Some** may contribute towards the Literacy requirements for entry into tertiary courses.

What equipment/stationery do I need?

2B8 exercise book, refill for published work.

What will this course cost?

Time and commitment.

Who should I see for further advice?

Mrs S Johnston

Level 2

What qualification can I get from this course?

Standards in this programme will contribute credits towards NCEA Level 2 and are recommended for the vocational pathways, in particular Social and Community Services, service industry and creative industries.

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

Priority will be given to students who have demonstrated a sound understanding of vocabulary and language structures at Curriculum Level 6, or at the discretion of the Head of Learning.

What will I learn?

By Curriculum Level 7, students will learn to engage in sustained interactions and produce extended texts as we explore the views of others and develop and share personal perspectives. This includes expressing and justifying our own ideas and opinions, as well as supporting and challenging the ideas and opinions of others.

Students will be able to respond to and communicate information, ideas and opinions through increasingly complex and varied texts. They will be able to demonstrate understanding of a variety of extended spoken and written German.

Contexts covered include the life of young people, future plans, New Zealand as a tourist destination, exchanges to Germany and looking at films and fairytales.

What equipment/stationery do I need?

A4 folder, refill and 1 clear file folder.

Workbook (to be ordered through the Language Department)

What will this course cost?

Workbook - \$16.00 (optional)

\$30.00 for subscription to Language Learning Website (optional)

Who should I see for further advice?

Mrs J Grant

Japanese

Level 2

What qualification can I get from this course?

Standards in this programme will contribute credits towards NCEA Level 2 and are recommended for the vocational pathways, in particular social and community services, service industries and creative industries.

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

Priority will be given to students who have demonstrated a sound understanding of vocabulary and language structures at Curriculum Level 6, or at the discretion of the Head of Learning.

What will I learn?

By Curriculum Level 7, students will learn to engage in sustained interactions and produce extended texts as we explore the views of others and develop and share personal perspectives. This includes expressing and justifying our own ideas and opinions, as well as supporting and challenging the ideas and opinions of others.

Students will be able to respond to and communicate information, ideas and opinions through increasingly complex and varied texts. They will be able to demonstrate understanding of a variety of extended spoken and written Japanese and read and write about 75 Kanji.

What equipment/stationery do I need?

A4 folder and refill

What will this course cost?

\$30.00 for subscription to Language Perfect Learning website (optional)

Who should I see for further advice?

Mrs J Grant

Mathematics - Bridge

Level 1/2

What qualification can I get from this course?

Credits at both Level 1 and Level 2. the numbers of credits will vary with individual students.

Standards on this course are recommended for Vocational Pathways in; creative industries, construction and infrastructure, manufacturing and technology, primary industries, service industries, social and community services.

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

Numeracy accreditation at Level 1 (10 credits) – either from the Numeracy course or from just internally assessed standards from the Level 1 Mathematics course.

This course is designed to bridge the gap between the basic Numeracy qualification at Level 1 and study in Mathematics at Level 2. Your skills across the Number & Algebra and Statistics & Probability strands of the NZ curriculum will be strengthened and developed in order that you can meet the increased challenges of Level 2 Mathematics.

You need a good attitude to learning and to be willing to put in the time to practise each skill until it is mastered – both in class and at home.

Priority will be given to students who have demonstrated a good work ethic in Year 11.

What will I learn?

Number, Linear Algebra, Trigonometry, Statistics, Probability, Networks.

What is this subject necessary for?

Access to the Level 2 Mathematics and Statistics course at Level 2 or potentially Level 3 Statistics.

Helping you get the necessary Mathematical accreditation for access to polytechnic courses and to support Gateway and V-Path courses.

What equipment/stationery do I need?

Graphic calculator or scientific calculator.

2 x 1E8 Quad books (Maths exercise books)

Who should I see for further advice?

Mrs L Lane

Mathematics

Level 2

What qualification can I get from this course?

22 Credits towards NCEA Level 2. Standards in this course are recommended for Vocational Pathways in: creative industries, construction and infrastructure, manufacturing and technology, primary industries, service industries, social and community services.

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

I have gained:

At least 16 credits at Level 1 NCEA including Achievement Standards- including:

91028 Investigate relationships between tables, equations and graphs.

You will also have **attempted** 91037 Demonstrate an understanding of chance and data.

You will have passed the WGHS Algebra skills assessment.

This course is demanding and many of the concepts are abstract and algebraic in nature so students need to be willing to work hard and do regular homework.

Students need to show an ability to apply the numerical skills and ideally should have gained a Merit grade in Achievement Standard 91028 (Tables, equations & graphs).

What will I learn?

Calculus, probability, algebra, trigonometry and graphing functions.

What is this subject necessary for?

Level 3 Calculus.

It can also provide a pathway to Level 3 Statistics.

What equipment/stationery do I need?

Graphic calculator, ruler.

2 x 1E8 Quad books (Maths exercise books)

What will this course cost?

\$20.00 (optional) for homework resources if purchased through school.

Who should I see for further advice?

Mrs L Lane

Mathematics & Statistics

Level 2

What qualification can I get from this course?

22 Credits towards NCEA Level 2. Standards in this course are recommended for Vocational Pathways in: creative industries, construction and infrastructure, manufacturing and technology, primary industries, service industries, social and community services.

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

I have gained:

15 credits at Level 1 NCEA Mathematics including:

91037 Demonstrate an understanding of chance and data.

You will have **attempted**: we need to know you have a good work ethic

91028 Investigate relationships between tables, equations and graphs

In consultation with the Head of Learning students in the Mathematics for Numeracy this year are also eligible for this course.

What will I learn?

How to solve problems involving:

- statistics
- probability
- basic algebra and co-ordinate geometry
- networks
- Trigonometry

What is this subject necessary for?

Achieving Level 2 credits from a course that offers internal achievement standards and one external achievement standard. Many careers require Mathematics credits at this level. Success in this course will provide the skills required to undertake the Level 3 Statistics course.

What equipment/stationery do I need?

Graphics calculator, ruler.

2 x 1E8 Quad books (Maths exercise books)

Who should I see for further advice?

Mrs L Lane.

Physical Education

Level 2

What qualification can I get from this course?

22 credits towards NCEA Level 2 (100% Internally Assessed)

Standards in this course contribute to Level 1 literacy.

Standards in this course contribute towards Vocational pathways in: service Industries, social and community services, creative industries.

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

No previous qualification needed.

What will I learn?

Students will:

1. Analyse group processes and work effectively with others, before, during and after a 4 day outdoor education trip involving tramping, windsurfing and ABL (Adventure Based Learning) activities in Wanaka and a one day bike trip on the Alps to Ocean trail.
2. Demonstrate responsible behaviours for safety during tramping or biking.
3. Demonstrate physical skills in Athletics, Badminton or choice of sport (if available)
4. Apply the basic principles of anatomy, biomechanics, motor learning and sports psychology (biophysical principles) to learning a new skill.
5. Experience a variety of principles and methods of training and exercise physiology concepts relating to Touch.

What equipment/stationery do I need?

Clothing appropriate to physical activity and outdoor education.

A4 folder, dividers, or x 6 20 pocket display books, refill paper

What will this course cost?

- Term 1: Wanaka Tramp - 4 days, tramping, windsurfing and ABL activities - \$200.00 approx.
- Term 3: Mountain biking on Alps to Ocean - \$30 - 40 approx.

(These costs will be confirmed in 2020)

Who should I see for further advice?

Mrs D Roberts

Practical Physical Education

Level 2

What qualification can I get from this course?

17 credits towards NCEA Level 2 (100% Internally Assessed)

This course is similar to Year 12 Physical Education but includes more practical and less theory work. Standards in this course contribute to Level 1 literacy.

Standards in this course contribute towards Vocational pathways in: service industries, social and community services, creative industries.

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

No previous qualification needed.

What will I learn?

Students will:

1. Analyse group processes and work effectively with others, before, during and after a 4 day outdoor education trip involving tramping, windsurfing and ABL (Adventure Based Learning) activities in Wanaka and a one day bike trip on the Alps to Ocean trail.
2. Demonstrate responsible behaviours for safety during tramping or biking.
3. Demonstrate physical skills in Athletics, Badminton or choice of sport (if available)
4. Participate in a fitness programme at the Rec Centre.
5. Experience a variety of principles and methods of training and exercise physiology concepts relating to Touch.

This course is 100% internally assessed using Achievement Standards. It is suitable for students who prefer practical work and who do not need knowledge of anatomy, biomechanics or exercise physiology or who are involved in Dual Pathway courses.

What equipment/stationery do I need?

Clothing appropriate to physical activity and outdoor education.

A4 folder and dividers or x 2 20 pocket display books, refill paper.

What will this course cost?

- Term 1: Wanaka Tramp - 4 days, tramping, windsurfing and ABL activities - \$200.00 approx.
- Term 3: Mountain biking on Alps to Ocean - \$30 - 40 approx.

(These costs will be confirmed in 2020)

Who should I see for further advice?

Mrs D Roberts

Agricultural studies

Level 2

What qualification can I get from this subject?

Credits towards NCEA Level 2. This course contributes to: Level 1 literacy and numeracy. Standards in this course contribute towards Vocational pathways in: primary industries.

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

Have an interest in one of the module topics, be prepared to provide work the depth required for Level 2 achievement standards, be prepared for a certain amount of independent study. Agribusiness module requires use of excel spreadsheets.

What will I learn?

Students may choose 1 of 3 modules:

- Module 1: Livestock production and technologies, livestock reproduction technologies, livestock growth and development, livestock behaviour and environmental issues from livestock production.
- Module 2: Land, environment and aspects of Horticulture, land use in New Zealand, environmental issues from horticultural production, plant propagation techniques and use of organisms for future needs.
- Module 3: Agribusiness: cashflow forecasting, land use in New Zealand, future proofing of a business and use of organisms for future needs for productivity.

What equipment/stationery do I need?

Agriculture workbook - for module 1
A4 folder and refill paper
Calculator

What will this course cost?

Estimate \$20 - \$30 to cover visits to local primary producers and other appropriate agricultural events.

Workbook \$8.00 (Costs to be confirmed)

Who should I see for further advice?

Mrs J Howden

Biology

Level 2

What qualification can I get from this subject?

Credits towards NCEA Level 2.

This course contributes towards: Level 1 literacy.

Standards in this course are recommended for Vocational pathways in: primary industries, social and community services.

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

It is highly recommended that students would have gained achievement in Science 1.9 Genetics, plus literacy and numeracy at Level 1 NCEA. Priority will be given to these students.

What will I learn?

- You will carry out a study of a marine habitat, looking at the patterns of the organisms which live within it.
- Understand how plants have evolved and how they reproduce.
- Understand how animals exchange gases in their environment.
- Investigate cell structures and cellular processes such as photosynthesis and respiration.
- Understand how genetic traits are passed between generations and why variation is so important to all of us.

What equipment/stationery do I need?

A Biology workbook.

A4 lever arch folder and refill paper.

Set of 5 dividers.

What will this course cost?

Scipad course workbook \$25.00 (purchased through school office)

Field trip \$50 (This cost will be confirmed in 2020).

Who should I see for further advice?

Mrs V Lilley

Chemistry

Level 2

What qualification can I get from this subject?

Credits towards NCEA Level 2.

This course contributes towards: Level 1 literacy and numeracy.

Standards in this course are recommended for Vocational pathways in: manufacture and technology, construction and infrastructure, primary industries, social and community services, creative industries.

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

It is highly recommended that students gain achievement in Science 1.5 Acids and Bases, plus numeracy and literacy at Level 1 NCEA. They should also have completed work in chemical reactivity.

What will I learn?

Topics will be chosen from:

- Bonding, structure and energy changes
- Chemical reactivity
- Oxidation – Reduction
- Organic Chemistry
- Practical qualitative analysis
- Chemical calculations
- Research of a current technology

What equipment/stationery do I need?

Lever arch folder and refill or hardcover exercise book 2B5 or 2B8

Calculator

Some classes will use a SciPad workbook \$25 (cost confirmed in 2020)

Who should I see for further advice?

Mrs V Lilley

Mrs J Howden

Dr H McInyre

Physics

Level 2

What qualification can I get from this subject?

Credits towards NCEA Level 2.

Merit or Excellence Endorsement in Physics.

Standards in this course are recommended for Vocational Pathways in primary industries, construction and infrastructure, manufacture and technology, social and community services and creative industries.

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

It is highly recommended that students have achieved in Science 1.1 mechanics plus numeracy and literacy in Level 1 NCEA and be taking Mathematics at Year 12 or above.

What will I learn?

- Practical physics skills. Learn about the Physics in the world we live in.
- Topics will include Mechanics (motion and energy), Electricity, Atomic and Nuclear Physics and waves.

What equipment/stationery do I need?

A4 folder and refill, calculator

A Physics workbook

What will this course cost?

Physics course workbook \$25.00.

Field trip \$20.00 (This cost will be confirmed in 2020)

Who should I see for further advice?

Mrs V Lilley

Dr H McIntyre

Accounting

Level 2

What qualification can I get from this course?

15-19 credits at NCEA Level 2.

Standards for this course are recommended for Vocational pathways in: service industries and creative industries.

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

Achieved 3 standards - Level 1 Business or at the discretion of the HOL.

Content:

- The presentation of financial statements for sole traders.
- An understanding for the accounting systems for the control of inventory and accounts receivable.
- Use of the MYOB computer software.
- The interpreting of financial statements

What is this subject necessary for?

Year 13 Accounting (NCEA Level 3) requires Accounting at Year 12.

What equipment/stationery do I need?

A4 folder and refill

Calculator

What will this course cost?

\$12 (approximately) course contribution

Who should I see for further advice?

Mr G Smith

Economics

Level 2

What qualification can I get from this course?

14-18 credits at NCEA Level 2. This course contributes to UE literacy requirements.

Standards for this course are recommended for Vocational Pathways in: creative and service industries, and social and community services.

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

Year 11 Business achieved one external and two internal, OR 14 Level 1 English credits. Entry will be at the discretion of the teacher in charge.

Content:

The Year 12 economics course investigates 3 major economic issues:

- Economic Growth
- Inflation
- Unemployment

These everyday issues are related specifically to the operation of the New Zealand economy. During the course students will be developing a range of skills while investigating the issues above.

1. Exploring the issues using economic concepts.
2. Examining the issues using economic models.
3. Demonstrating an awareness of government policies relating to economic issues.
4. Carrying out an investigation of an economic issue.

What equipment/stationery do I need?

A4 folder and refill, calculator

What will this course cost?

\$25 (approximately) course contribution

Who should I see for further advice?

Mr G Smith

Geography

Level 2

What qualification can I get from this course?

Credits towards NCEA Level 2

Credits towards University Entrance literacy requirements.

Standards for this course are recommended for Vocational pathways in: creative industries, primary industries, service industries, social and community service.

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

Preferable to have taken Level 1 Geography and gained one internal and one external standard plus Level 1 literacy; and an interest in how people understand and interact with both natural and cultural environments or the discretion of the HOL.

What will I learn?

- Large Natural Environment - South Island High Country
- Geographic Research conducted on a Fieldtrip to Mt Cook
- Explain aspects of a contemporary New Zealand geographic issue
- A Global Geographic Topic
- Skills in map reading, sketching, analyzing data (including photos), interpretation of resources and evaluating information.

What is this subject necessary for?

It provides knowledge of people and their environment and is especially useful for: resource management; economics; ecology; tourism; law; biology; teaching; geology; town planning; marketing and management.

What equipment/stationery do I need?

A4 folder and refill, coloured pencils and clear ruler

What will this course cost?

Overnight fieldtrip - Mt Cook (approximately) \$150 (This cost will be confirmed in 2020)

Who should I see for further advice?

Ms P Holdsworth

History

Level 2

What qualification can I get from this course?

The Year 12 History course contributes towards a possible 24 credits for Level 2 NCEA.

Standard in this course are recommended for Vocational Pathways in service industry and creative industry.

The standards within this course contribute to University Entrance literacy requirements.

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

Preferable that the students are taking NCEA Level 2 English. An awareness that reading and formal writing are key parts of this subject, and an interest and enjoyment of History.

What will I learn?

Thematic Study

Fighting For A Fairer Society vs Tyranny & Dictatorship

- Michael Collins & Ireland
- Rise of Nazi Germany

Internal Assessment

The Impact of the Gold Rush on Central Otago

What equipment/stationery do I need?

A4 Folder, dividers, and refill

What will this course cost?

Time and commitment

Field Trip to Central Otago \$150.00 (This cost will be confirmed in 2020).

Who should I see for further advice?

Ms S Hull

Tourism

Level 2

What qualification will I get from this course?

Can provide the necessary Level 2 Unit Standards towards the New Zealand Certificate in Tourism and Travel (Introductory Skills), Level 2. The Level 3 units required to complete the N.Z Certificate will be offered in Year 13.

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

An interest in the New Zealand Tourism Industry. An awareness that independent computer work is an important part of this course.

What will I learn?

Students will:

- develop knowledge of world and New Zealand tourism destinations
- develop a wide range of skills related to working in the tourism and travel industry
- develop an awareness and understanding of the role of the tourism industry in New Zealand and the world
- develop vocational skills relevant to working with people.

What equipment/stationery do I need?

A4 Folder and refill

Calculator

What will this course cost?

Time and commitment

Who should I see for further advice?

Mr G Smith

Digital Technology

Level 2

There are two courses to choose from in Digital, an Achievement Standard or a Unit Standard, some movement between the courses is acceptable during the year.

Level 2 – Print Design

What qualification can I get from this course?

This is an Achievement Standards course, credits towards NCEA Level 2, literacy credits are available. Standards in this course contribute to Manufacture and Technology, and Creative Industries pathways, and are recommended in construction and infrastructure, primary industries, service industries, social and community services.

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

You preferably have studied Year 11 Digital Technology and gained 14 credits (or more) to enter this course. Exceptions may be made in consultation with Ms Gillies.

What will I learn?

The aim of the course is to provide students with the knowledge and skills that will enable them to participate competently in the technological society. Students will acquire the skills to be able to create print industry-standard documents. Students will create the front cover and learning area pages to be included in the school magazine.

What equipment/stationery do I need?

Visual diary A4 60 pages and it is recommended that you have a USB pen drive 8GB.

Level 2—Practical Computer Skills

What qualification can I get from this course?

This is a Unit Standards course, credits towards NCEA Level 2. Standards in this course contribute to Manufacture and Technology, and Creative Industries pathways, and are recommended in construction and infrastructure, primary industries, service industries, social and community services.

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

You preferably have studied Level 1 Digital Technology. Exceptions may be considered in consultation with Ms Gillies.

What will I learn?

The focus of the course is on the development of practical computer skills with a strong emphasis on building skills in a range of common application software, its uses and functions. You will learn to develop your ability to input and manipulate information and to create and present words in a variety of ways to produce digital media which are visually appealing using computer applications in order to communicate effectively.

What equipment/stationery do I need?

Recommended USB pen drive 8GB. Visual Diary or A4 folder and copysafe pockets.

What will the courses cost?

Students need to be aware that they will need to top up their printing account if they want hard copies throughout the year.

Who should I see for further advice?

Ms B Gillies (HOL)

Food Technology & Nutrition

Level 2

What qualification can I get from this course?

NCEA Level 2. Literacy credits available. To gain Level 2 Food Technology and Nutrition achievement standards, students submit written internal reports and complete an external examination. Assessment is Internal and External. The course is recommended for students interested in careers related to nutrition, health and well-being, food technology, the food industry, culinary arts, food design and community and social services.

Standards in this course contribute to Vocational Pathways in manufacture and technology and creative industries and are recommended in construction and infrastructure, primary industries, service industry and social and community services.

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

14 credits in Level 1 Food Technology and Nutrition are required. Some exceptions to this after consultation with Ms Gillies. You need an interest in nutrition, food preparation and a desire to learn about people and their specific health needs.

A willingness to take part in all practical aspects of the subject.

What will I learn?

The course is focused on a variety of nutritional aspects and how they affect New Zealanders both at a personal and societal level.

It encourages informed food choices to promote good health and well-being.

Throughout this course you will learn about:

- The Food and Nutrition Guidelines
- Functions of macro and micronutrients in regards to Sports Nutrition
- The effects of lifestyle and diet on individuals and society
- Sustainable food related practises
- Recipe design and adaption
- Health promoting strategies to address a nutritional need
- Health enhancing techniques in the selection and preparation of food
- Interpersonal and societal influences on food choice
- Practical skills for food preparation
- Technology design process

This subject will improve your planning and research skills required for NCEA 3

What equipment/stationery do I need?

1 x 2B8 (A4 hardcover book)

1 x 40 page clear file

A suitable container for taking home practical work is required weekly.

What will this course cost?

\$80.00 for ingredients

Who should I see for further advice?

Ms B Gillies (HOL)

Graphic & Design

Level 2

What qualification can I get from this course?

Credits towards NCEA Level 2.

Standards in this course are recommended for Vocational Pathways in: Manufacturing and technology, construction and infrastructure, and creative industries.

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

An interest in design, freehand drawing, traditional technical drawing and computer aided design (CAD).

What will I learn?

In Level 2, students produce conceptual designs in the fields of Architecture, Product Design and Graphic Design using freehand drawing, traditional technical drawing and CAD to create designs. Students will learn about the work of professional designers and make 3D models of their designs using 3D printing facilities.

Assessment is both internal (19 credits) and external (3 credits). Internal assessment is via two major design projects and external through portfolio submission of best design work.

What equipment/stationery do I need?

1 x A3 Drawing pad

A3 Art case zipped

45+ 60 set squares

Warm grey number 2 studio marker

Warm grey number 5 studio marker

Fine point sharpie pen, black fineliner pen, coloured pencils (Aquarell), eraser

Who should I see for further advice?

Ms M Williams

Textiles Technology

Level 2

What qualifications can I get from this course?

NCEA Level Two. Assessment has Internal and External standards. This subject contributes to Manufacture and Technology, construction and infrastructure and creative industries Vocational Pathways.

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

Students need an interest in the design process, working with textiles and being creative.

Priority will be given to Year 11 Textiles Technology students. However students who have taken Art or Digital Technology can negotiate with Ms Gillies if they want to enter at Year 12.

Students need to be prepared to spend time at lunch and after school to complete their projects. All sewing is required to be completed at school and paper work can be done at home.

What will I learn?

The senior Textile Design Technology Programme has been designed to give students access to a wide variety of Fashion and Design based skills.

In year 12 students write an external report and complete three units where students are assessed on their creativity, production skills and time management. In the first unit students will make advanced adaptations of a pattern for a specified garment and the second unit will construct the garment with advanced skills in an efficient manner.

The third unit students create an item of their own choice. The External is a research project that involves looking at how materials enhance specific products.

What equipment/ stationary do I need?

3 x 20 leaf clear file, white printing A4 paper

Colouring pencils

2 x Project materials/fabric

What will this course cost?

Students supply project materials, threads, and notions at a cost to themselves.

\$50 is charged for the supply of interfacing, calico for functional modelling.

Who do I see for further advice?

Ms B Gillies (HOL)

Dual Pathway

Level 2

What qualifications can I get from this course?

Credits towards NCEA Level 2. Credits towards Vocational Pathways in the sector you choose: Service Sector or Construction and Infrastructure. If you are chosen for a 2 day Dual Pathway, you will have to take 12 ENA, 12 TRA and you will be directed into another subject. You will not take any other subjects.

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

A positive attitude and a real interest in the course offered. **Being committed to staying at school for the full year.**

What will I learn?

You will gain at least 20 credits in a one-day course and 40 credits in a two-day course. The Level 2 courses offered in 2020 at ARA are: (To be confirmed and some are dependent on numbers)

- Service Sector—Beauty (1 day)
- Service Sector—Introduction to Cookery, Hospitality and Beverage Service (2 days)
- Service Sector—Business and Administration (1 day)
- Service Sector—NZ Certificate in Salon Skills (2 days)
- Manufacturing and Technology Sector—Automotive (1 day)
- Construction and Infrastructure—Construction (1 day) - building
- Community and Health—Sustainability and outdoors (1 day)

Primary Industries—Agriculture (through Agribusiness). This course runs on 14 Fridays throughout the year at least 40 credits.

You must commit to staying at school for the full year and commit to completing the whole course.

If you wish to be considered for any Dual Pathway course you must write a letter of application to Mrs Hay by 20th September 2019.

What is this subject necessary for?

A career in the chosen area

What equipment/stationery do I need?

Ring binder and pens.

What will this course cost me?

The School covers the costs of the course. **You must be committed to attending every session and staying at school for the full year.** You need to provide appropriate clothing including footwear for your course.

Who should I see for further advice?

Mrs V Hay

Gateway

Level 2

What qualification can I get from this course?

This is an alternative course that gives you a chance to gain some industry-based training and qualifications at an appropriate level. You need to have a career focus to be considered for the privilege to be part of this programme.

You must be committed to gaining 20 credits towards NCEA Level 2 these credits are industry based. The credits will be unit standards.

Credits towards Vocational pathways in most areas are available depending on personal work area.

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

You need to write a letter of application to Mrs P Ambler giving reasons why you wish to be involved in the programme, your long-term career goals and showing the commitment you would bring to the programme, to school and your employer. **The due date for this letter is 20th September 2019. You must be committed to gaining at least 20 credits in your chosen area and have a positive attitude.**

What will I learn?

You will have one day per week in the workplace, where you will be a trainee. You will be treated as any employee with the same expectations. You will undertake work-related study, which may be assessed on the job or through correspondence. We have the expectation that you will complete all your work-related units and keep up with any missed class work from all subjects.

What is this subject necessary for?

Future employment.

What equipment/stationery do I need?

Most stationery will be provided but you will need a ring binder and pens etc.

Clothes suitable to wear in your choice of workplace.

What will this course cost?

Gateway pays for any work-related and course costs.

Who should I see for further advice?

Mrs P Ambler or Mrs Hay

(16 places available over Year 12 and 13)

Transition

Level 2

What qualification can I get from this course?

Credits towards NCEA Level 2 (Level 1 and 3 as required)

Standards in this course are recommended for Vocational Pathways in Social and Community, Service Industries Creative Industries and Primary Industries.

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

A commitment to completing the set work and assessments, a willingness to take part in class activities.

What will I learn?

Skills for life after school:

- Work skills and expectations
- Workplace expectations
- Interview skills
- Information needed for flatting
- Budgeting
- Interpersonal skills
- Parenting skills
- Tots and Toddlers course
- Consumer skills
- Health

What is this subject necessary for?

Life beyond school.

What equipment/stationery do I need?

Ring binder or book, pens

What will this course cost?

Nil

Who should I see for further advice?

Mrs V Hay

Year 13

Year 13 is a year of additional freedom and also new and special demands on you. You are required to be more responsible for your motivation, time management and attainment as well as accepting responsibility for selecting a course appropriate to your proposed career. In Year 13 you will take a course of five subjects plus one period per week of a Life Skills programme. This gives four periods per week of study.

Some important issues to consider when selecting your course:

- ◆ Be realistic - choose subjects at the level with which you can cope. This means your course may include a mix of Level One, Two and Three subjects. Note carefully the prerequisites for the various subjects.
- ◆ Be aware of entry requirements for Universities and Polytechnics as outlined below.
- ◆ Please consult with the Careers Advisor or Year 13 Dean if you are unsure about your selected course of study.
- ◆ At this level, no subject is compulsory.
- ◆ Students are eligible to take a subject offered for the first time at Level 3 provided they have gained Level 2 NCEA.

NCEA (Level 3)

To achieve this qualification, you will have to accumulate 80 credits across all subjects. 60 credits must be at Level 3 and 20 at Level 2 (or above). Credits can be obtained through Achievement Standards or Unit Standards. NCEA certificates may be gained with Merit or Excellence endorsement. To be eligible for this, a student must gain 50 credits at Merit for Merit endorsement, and 50 credits at Excellence for Excellence endorsement.

In addition, a student may also gain course endorsement. To gain Excellence endorsement, a student must gain 14 credits from a course in Excellence; 3 of these standards must be internal credits and 3 must be external credits. To gain Merit endorsement, a student must gain 14 credits from a course in Merit; 3 of these standards must be internal credits and 3 must be external credits. Physical Education is exempt from these requirements as it is totally internally assessed.



The following subjects are available at Year 13 and will be offered if numbers warrant the course.

ENGLISH: *Te Reo Pākeha*

English

Media Studies

LANGUAGES: *Ngā Reo*

German

Japanese (Distance Learning)

Te Reo (Distance Learning)

MATHEMATICS: *Pāngarau*

Mathematics with Calculus

Mathematics & Statistics

PHYSICAL EDUCATION

Hauora

Physical Education

TRANSITION

Dual Pathway

Gateway

Transition

TECHNOLOGY: *Hangarau*

Food Technology & Nutrition

Digital Technology—Web Design

Graphics and Design (offered at WBHS)

Textiles Technology

THE ARTS: *Ngā Toi*

Art—Design

Art—Painting

Art—Photography

Music

SCIENCES: *Pūtaiao*

Agricultural studies

Biology

Chemistry

Physics

SOCIAL SCIENCES:

Tikanga-ā-Īwi

Accounting

Classical Studies

Economics

Geography

History

Tourism

The Gateway Programme is offered at Waitaki Girls' High School. Students for this programme apply to be involved by letter to Mrs Ambler. Students study 4 subjects and undertake work placement and work-related study. More information is available in the subject area of this booklet.

Dual Pathways

These courses are Polytechnic based. Students will be out of school one day per week. Students will have the opportunity to gain at least 20 credits in the Pathway you choose. **Students need to be committed to staying at school all year.** Students must go to their course every week. There will be contracts between the Polytechnic, School, Student and Parents. To apply students must write a letter of application to Mrs Hay, before 20th September 2019.

University Entrance 2020

University Entrance (UE) will continue to be the minimum requirement to go to a New Zealand university.

- NCEA Level 3
- Three subjects—at **Level 3 or above**, made up of:
 - * 14 credits each, in three approved subjects
- Literacy—10 credits at Level 2 or above made up of:
 - * 5 credits in reading
 - * 5 credits in writing
- Numeracy—10 credits at Level 1 or above, made up of:
 - * Achievement standards—specified achievement standards available through a range of subjects, or
 - * Unit standards—package of three numeracy standards (26623, 26626, 26627—all three required).

Once you have met the requirements for University Entrance it will appear on your Record of Achievement. Standards contributing to University Entrance Literacy can be found at: www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/literacy-requirements

NB Most universities are restricting enrolments to many of their courses and are demanding higher levels of passes for guaranteed entry than the minimum levels required by NCEA. Please check the university websites for more information or see the Careers Advisor. Credits at Merit and Excellence are important.

Approved subjects

The Board of the Qualifications Authority has approved the list of approved subjects for University Entrance. Subjects not in the approved list may be used for University Entrance, as they contribute towards NCEA Level 3.

Approved subjects offered at Waitaki Girls' High School for University Entrance

| | | |
|---------------------------|------------------------------|--------------------|
| Accounting | Agriculture and Horticulture | Biology |
| Chemistry | Classical Studies | Economics |
| English | Geography | German |
| History | Home Economics | Japanese |
| Mathematics with Calculus | Mathematics and Statistics | Music |
| Painting | Photography | Physical Education |
| Physics | Technology | Media Studies |

Scholarship

There are Scholarship level exams available in subjects identified by Universities. Scholarship is through external exams and students may sit in up to 5 subjects. All subjects in the list approved for University Entrance are offered at Scholarship Level.

If you are interested in sitting Scholarship subject(s), you need to realise the amount of extra time and effort which is required to be successful in these examinations. Discuss this with your parents, teacher and Head of Learning. If you are still interested, contact the Year 13 Dean as extra tuition may be available later in the year.

Year 13 Stationery List

| | |
|---|--|
| Accounting | A4 folder and refill, 14R8 (accounting paper), calculator |
| Agricultural studies | A4 folder and refill or 2B5 or 2B8 (hardcover) book, x 2 1B5 books or own lap top |
| Art—Design | A3 art pad, black ink pen, water –colour pencils, pen drive, paints, variety of markers/pencils |
| Art—Painting | A3 art pad. Paper thickness needs to be minimum 110gsm. Pencil set with a range of leads from 2B-6B. Art pencils. Paint set and own set of brushes. |
| Art—Photography | A3 art pad, pen drive, art pencils, personal camera with manual settings (aperture must range from f2 to f27 at least) |
| Biology | A4 lever arch folder and refill, dividers (set of 5) |
| Chemistry | A4 folder and refill or 2B5 or 2B8 (hardcover) book, calculator, 1B5 or 1B8 softcover book or own lap top |
| Classical Studies | A4 folder and refill |
| Digital Technology | Visual Diary 60 leaf, or A4 folder with copysafe pockets recommended 8G usb |
| Dual Pathway | A4 folder and refill |
| Economics | A4 folder and refill, calculator |
| English | A4 folder and refill |
| Food Technology | 1 x 2B8 (A4 hardcover) book, 1x 40 page clear file |
| Gateway | A4 folder and refill |
| Geography | A4 folder and refill, coloured pencils, clear ruler |
| German | A4 folder, refill and 1 clear file folder |
| Graphics | 1 x A3 Drawing pad, A3 Art case zipped, 45+ 60 set squares, warm grey number 2 studio marker, warm grey number 5 studio marker, fine point sharpie pen, black fineliner pen, coloured pencils (Aquarell), eraser |
| History | A4 folder and refill, dividers & plastic sleeves |
| Japanese | A4 folder and refill |
| Maths with Calculus | 2 x 1E8 Quad books, Graphic calculator (CASIO is best) |
| Maths and Statistics | 2 x 1E8 Quad books, Graphic calculator (CASIO is best) |
| Media Studies | A4 folder, refill |
| Music | Ringbinder, refill pad, music manuscript refill |
| Physical Education | A4 folder, dividers or x5 20 pocket clear files, and refill |
| Physics | A4 folder and refill, calculator (Graphics—CASIO is best) |
| Textiles Technology | 2 x 40 page clear files, white printing A4 paper, colouring pencils |
| Tourism | Electronic device (if possible) and clearfile |
| Transition | A4 folder and refill or 2B8 (A4 hardcover) book |
| NB: It is recommended that all students have their own pen drive (2G minimum); eraser, black, blue and red pens, highlighters, glue stick, ruler and scissors | |

Level 3

How do I qualify to take this subject?

26 credits towards NCEA Level 3.

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

Level 2 Design, Photography or Level 2 Digital Technology.

Students will:

- Develop research and analytical skills Learn about influential artists working in Graphic Design
- Learn about Graphic Designers and how to use their methods and ideas to advance their own art-making
- Learn how to systematically progress an idea from concept to the final outcome
- Develop and refine photoshop skills
- Create dynamic and innovative work that expresses *the students' own* ideas and style

There are numerous creative industries careers. Art-Design is a subject that is invaluable if a student wishes to be an interior designer, graphic designer, magazine artist, architect, tattoo artist, fashion illustrator etc.

What is this subject necessary for?

Entry to Design courses.

What equipment/stationery do I need?

A3 art pad, water-colour pencils, paints, variety of black markers / pencils and pen-drive. Photoshop software is advantageous for home use.

What will this course cost?

Up to \$100.00 Folio production (payable directly to Brackens Print by individual students)

\$10.00 for reproduction costs, paper and courier for external assessment.

Who should I see for further advice?

Ms A McIntosh

Art-Painting

Level 3

What qualification can I get from this course?

26 credits towards NCEA Level 3.

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

Achieved Level 2 Painting (external).

Content:

- Students will work within a theme of their choice
- Develop research and analytical skills
- Develop an understanding of painting processes and techniques, as employed by influential artist models
- Use drawing to 'generate, analyse, clarify, and regenerate' photographic ideas
- Create dynamic and innovative work that showcases the student's range of ability and knowledge

What is this subject necessary for?

Entry to Art Schools or Polytechnic and University Courses

What equipment/stationery do I need?

Own paints and brushes

A3 art pad

What will this course cost?

Personal painting equipment.

\$40.00 for paint, paper, other art products and courier for external assessment.

Who should I see for further advice?

Ms A McIntosh

Art-Photography

Level 3

What qualification can I get from this course?

26 credits towards NCEA Level 3.

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

Have achieved Level 2 Photography (external)

Content:

- Students will work within a theme of their choice
- Develop research and analytical skills
- Develop an understanding of photographic processes and techniques, as employed by influential artist models
- Refine photoshop skills
- Improve how they 'generate, analyse, clarify, and regenerate' photographic ideas
- Create dynamic and innovative work that showcases the student's range of ability and knowledge

What is this subject necessary for?

Entry to Art Schools or Polytechnic and University Courses

What equipment/stationery do I need?

A3 art pad, pen drive, art pencils.

Personal camera with manual settings (aperture must range from f2 to f27 at least).

Pen-drive

Photoshop software on your home computer is advantageous.

What will this course cost?

Approximately \$100.00 folio production costs.

(Payable directly to Brackens Print by individual students)

\$10.00 for reproduction costs and courier for external assessment.

Who should I see for further advice?

Ms A McIntosh

Level 3

What qualification can I get from this course?

Credits towards NCEA Level 3. Standards in this course contribute to University Entrance Literacy and towards Vocational Pathways in the creative industries.

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

- Have passed Level 2 performance standards and one external **or**;
- Passed a minimum of Grade 4 practical music or an equivalent standard **or**;
- A consultation with the Head of Learning
- Please note: This subject may be taught at WBHS, depending on class size.

What will I learn?

Students will:

- Develop in depth knowledge of music by listening to and experimenting with music and by attempting to notate music through playback and aural realisation
- Develop musicianship through experimenting, improvising, composing and arranging pieces of original music
- Communicate and interpret music by performing their own and the music of others
- Understand music in context through identifying, describing, analysing music

Students can choose a mix of standards in consultation with the teacher depending on their interest.

What is this subject necessary for?

University Entrance approved subject credits.

Advantageous for those wishing to study Music at tertiary level.

Careers related to the music industry.

What equipment/stationery do I need?

Ring binder, refill pad, music manuscript refill.

What will this course cost?

Cost of hiring an instrument for itinerant music lessons if required.

Who should I see for further advice?

Miss O Gonzales

English

Level 3

What qualification can I get from this course?

Credits towards NCEA Level 3. It is possible to earn 10 credits internally in Level 3 English.

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

Year 12 English, especially the reading and writing credits from Level 2 English.

What will I learn?

- Language and close reading skills.
- Familiarity with literary texts from a range of drama, novel, short stories, poetry, non-fiction, and film.
- Development of writing skills
- How to present an oral seminar.

What is this subject necessary for?

Tertiary studies, some standards will count for University Entrance Literacy requirements in reading and writing.

What equipment/stationery do I need?

A4 Folder and refill.

What will this course cost?

Optional examination revision guide \$20.00

(This will be confirmed in 2020).

Who should I see for further advice?

Mrs S Johnston

Media Studies

Level 3

What qualification can I get from this course?

This course contributes to credits towards Level 3 NCEA. Some of the standards in this course contribute towards UE Literacy writing credits.

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

Level 2 English credits, preferably at least one external essay standard. The ability to write concisely and analyse and evaluate information is required.

What will I learn?

- Learn about film theories and genres
- Apply different readings and theories to visual texts.
- Write a feature magazine article
- Plan and produce a magazine spread.

Students will need to be able to work independently and meet checkpoints and deadlines, and be willing to learn new technologies.

What equipment/stationery do I need?

A4 folder and refill

Who should I see for further advice?

Ms J Sinclair

Level 3

What qualification can I get from this course?

Standards in this programme will contribute credits towards NCEA Level 3.

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

Priority will be given to students who have demonstrated a sound understanding of vocabulary and language structures at Curriculum Level 7, or at the discretion of the Head of Learning.

What will I learn?

At Curriculum Level 8, students will be encountering a greater range and complexity of text types than at Curriculum Level 7.

They should be able to engage in increasingly sustained interactions and produce and respond to a variety of increasingly complex texts. The step up to Curriculum Level 8 also involves a more deliberate and effective use of language as students learn to identify and select the appropriate language and cultural knowledge they need to use, to communicate effectively with different audiences and for different purposes.

They will learn to explore, justify and challenge various ideas and perspectives in different situations in written and spoken German, demonstrate understanding of a variety of extended spoken and written German texts and communicate a critical response to stimulus material.

These objectives will be covered in the context of life of young people in Germany, at work and recreation, current issues, such as the environment, social issues, technology, travel and film study.

What equipment/stationery do I need?

A4 folder, refill and 1 clear file folder.

Workbook (to be ordered through the Language Department)

What will this course cost?

\$30.00 for subscription to Language Perfect Learning Website. (optional)

\$16.00 Workbook

Who should I see for further advice?

Mrs J Grant

Japanese

Level 3

What qualification can I get from this course?

Standards in this programme will contribute credits towards NCEA Level 3.

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

Priority will be given to students who have demonstrated a sound understanding of vocabulary and language structures at Curriculum Level 7, or at the discretion of the Head of Learning.

What will I learn?

At Curriculum Level 8, students will be encountering a greater range of complexity of text types than at Curriculum Level 7.

They should be able to engage in increasingly sustained interactions and produce and respond to a variety of increasingly complex texts. The step up to Curriculum Level 8 also involves a more deliberate and effective use of language as students learn to identify and select the appropriate language and cultural knowledge they need to use, to communicate effectively with different audiences and for different purposes.

They will learn to explore and justify varied ideas and perspectives in different situations in written and spoken Japanese, demonstrate understanding of a variety of extended spoken and written Japanese texts and communicate a critical response to stimulus material.

What equipment/stationery do I need?

A4 folder and refill

What will this course cost?

\$30.00 for subscription to Language Perfect (optional)

Who should I see for further advice?

Mrs J Grant

Mathematics with Calculus

Level 3

What qualification can I get from this course?

22 Credits towards NCEA Level 3.

Exceptional students may be eligible to complete a scholarship examination.

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

- (a) You need to show an understanding of the skills in Year 12 Mathematics and should have achieved Achievement Standards:
- 91261 Apply algebraic methods in solving problems.
 - 91257 Apply graphical methods in solving problems.
 - 91262 Apply calculus methods in solving problems.
 - 91259 Apply trigonometric relationships in solving problems.
- (b) You need to show an ability to apply numerical skills and ideally should have at least Merit grades in Year 12 Mathematics.
- (c) A good work ethic is needed to succeed in this course.

What will I learn?

- Trigonometry
- Algebra
- Differentiation
- Integration

What is this subject necessary for?

This course is designed for those students who intend to take Mathematics past Stage 1 level at university and also for courses like Physics, Chemistry, Commerce, Architecture, or Engineering.

Students should be confident in algebraic manipulation.

What equipment/stationery do I need?

Graphics calculator.

2 x 1E8 Quad books (Maths exercise books)

What will this course cost?

\$20.00 (optional) homework resources if purchased through school.

Who should I see for further advice?

Mrs L Lane.

Mathematics & Statistics

Level 3

What qualification can I get from this course?

Up to 24 Credits towards NCEA Level 3. Exceptional students may be eligible to complete a scholarship examination.

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

- (a) You need to show an understanding of the skills in Year 12 Mathematics and Statistics and ideally should have achieved Achievement Standards:
- 91256 Apply co-ordinate geometry methods in solving problems
 - 91264 Use statistical methods to make an inference.
 - 91267 Apply probability methods in solving problems.
 - 91268 Investigate a situation involving elements of chance using a simulation.
- Or you will have gained credits from the Level 2 Mathematics course.
- (b) You need to show the ability to apply basic mathematical skills.
- (c) A good work ethic is needed to succeed in this course and priority will be given to students who have achieved mastery at Level 2.

What will I learn?

The course covers Level 7 and 8 of the New Zealand Curriculum and students will be engaged in thinking mathematically and statistically in a range of contexts. The majority of the standards will be internally assessed with an emphasis on using technology (computers and graphic calculators) to solve problems and model situations. Topics which are externally assessed include evaluating statistically based reports and probability distribution models. The externally assessed topics continue the development of probability skills to model a situation with an emphasis on interpreting data to make predictions for the future.

Skills learned in this course may possibly be helpful in Year 13 Biology, Social Sciences and Business related subjects.

What is this subject necessary for?

This course is designed for those students who intend to specialise in the many fields of tertiary education where a reasonable knowledge of statistics is expected. The subject tends to complement Science, Social Sciences and Business University studies.

What equipment/stationery do I need?

Graphics calculator (compulsory).

2 x 1E8 Quad books (Maths exercise books)

What will this course cost?

Workbook resources can be purchased through the school if required.

Who should I see for further advice?

Mrs L Lane.

Physical Education

Level 3

What qualification can I get from this course?

Credits towards NCEA Level 3. (100% Internally Assessed). (22 Credits available).

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

No previous qualification needed. Standards in this course contribute to University Entrance literacy requirements. Standards in this course contribute toward Vocational pathways in: primary industries, service industries, social and community services, creative industries.

It is a UE accredited course.

Students will:

1. Evaluate physical activity experiences to devise strategies for lifelong well-being
2. Demonstrate physical skills in Athletics, Swimming or choice of sport (if available)
3. Analyse a physical skill using biomechanical analysis
4. Analyse the application of risk management strategies to a ski trip
5. Examine contemporary leadership principles working with working with Year 9 and 10 students
6. Examine a current activity event, trend or issue (optional research standard)

This course can be modified to suit students who are involved in Dual Pathway courses or who would like less written credits and more practical work.

What is this subject helpful for?

Physical Education School, Physiotherapy, Health Sciences, Veterinary School, Sports Nutrition, Nursing, Personal Trainer, any job in the fitness or recreation industry, Outdoor Education Courses, Sportfit co-ordinators.

What equipment/stationery do I need?

Appropriate clothing for physical activity and outdoor education.
A4 folder with dividers, or x 5 20 pocket display books, refill paper

What will this course cost?

Term 3: 3 day Nordic and downhill ski trip to Wanaka - \$400 approx.

PE Workbook (tbc) - \$22

(This cost will be confirmed in 2020)

Who should I see for further advice?

Mrs D Roberts

Agricultural studies

Level 3

What qualification can I get from this subject?

Credits towards NCEA Level 3.

This course contributes to University Entrance literacy (reading and writing)

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

An interest in one of the modules, being prepared to provide comprehensive and in-depth written work, being prepared for independent study. Agribusiness module requires prior use of excel spreadsheets and preferably having completed the 2.10 cashflow Level 2 standard.

What will I learn?

Students may choose 1 of 2 moduels

Module 1: Agricultural and Horticultural science: Practical investigation, research into a primary product of their choice, production processes and innovation in value chain.

Module 2: Agribusiness: Practical investigation, innovation in a value chain, market forces and the effect of strategic capital expenditure on a business.

What equipment/stationary do I need?

A4 Folder and refill or 2B5 or 2B8 (hardcover book)

2 x softcover books 1B5 or lap top

What will this course cost?

Estimate \$20—\$30 to cover visits to local primary producers and other appropriate agricultural events

Who should I see for further advice?

Mrs J Howden

Biology

Level 3

What qualification can I get from this subject?

Credits towards NCEA Level 3

This course contributes towards: University Entrance literacy and numeracy (reading and writing)

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

It is highly recommended that students have attempted both external achievement standards in Level 2 Biology, with Achievement in at least one.

What will I learn?

- You will carry out a study of a marine animal to investigate its behaviour and niche.
- Understand how animal behaviour and plant responses are influenced by the environment.
- Understand the processes of evolution and speciation, in humans and other organisms.

What equipment/stationery do I need?

A Biology workbook.

A4 Lever arch folder and refill paper.

Set of 5 dividers.

What will this course cost?

Scipad course workbook \$20.00

Field trip to the Marine Centre—approx. \$150.00

(Costs will be confirmed in 2020)

Who should I see for further advice?

Mrs V Lilley

Chemistry

Level 3

What qualification can I get from this subject?

Credits towards NCEA Level 3.

This course contributes towards: University Entrance literacy and numeracy (reading and writing)

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

It is highly recommended that students have achieved in at least one standard in Level 2 Chemistry.

What will I learn?

Students will be expected to complete 3 internals and at least 1 external from the following:

- Properties of Particle and Thermochemical Principles
- Equilibrium Principles in Aqueous Systems
- Practical Oxidation – Reduction
- Organic Chemistry – Structure and Reactivity of Organic Compounds
- Practical Extended Quantitative Analysis
- Spectroscopy
- Research of a chemical process

What equipment/stationery do I need?

A4 Lever arch folder and refill paper or 2B5 or 2B8 (hardcover) book

Calculator

1B5 or 1B8 softcover book or own lap top

What will this course cost?

Field trip to the Chemistry Department, Otago University for 2 days. \$60

(These costs will be confirmed in 2020).

Who should I see for further advice?

Mrs V Lilley

Mrs J Howden

Physics

Level 3

What qualification can I get from this subject?

Credits towards NCEA Level 3.

Merit or excellence endorsement in Physics

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

It is highly recommended students have achieved in at least 1 external standard at NCEA Level 2 Physics.

What will I learn?

- Mechanics (linear, angular and circular and simple harmonic motion. Electricity (direct and alternating current), Atomic and Nuclear Physics, Wave systems or Electricity.
- Practical Physics skills including a practical investigation, and learning about the physics in the world we live in.

What equipment/stationery do I need?

A4 folder and refill, calculator

A Physics Workbook

What will this course cost?

Physics course workbook \$25

Field trip \$20 approx.

(These costs will be confirmed in 2020).

Who should I see for further advice?

Mrs V Lilley

Dr H McIntyre

Accounting

Level 3

What qualification can I get from this course?

17-22 credits at Level 3 NCEA.

This course contributes to University Entrance literacy requirements.

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

Level 2 Accounting gained two Internals and have attempted AS91176 (external).

Content:

- Preparation of information for management.
- Accounting systems for partnerships.
- The preparation of financial statements for companies.
- Accounting systems for manufacturing.

Equipment

Calculator

A4 folder and refill

What will this course cost?

\$22 (approximately) course contribution

Who should I see for further advice?

Mr G Smith

Classical Studies

Level 3

What qualification can I get from this course?

Credits towards NCEA Level 3. The standards in this course also contribute towards University Entrance literacy requirements.

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

English to Year 12 . It is helpful to have strong reading and writing skills.

What will I learn?

- Aspects of the civilisations of Ancient Greece and Rome.
- Myths—what ideas about life can we learn from ancient myths
- Art—What artistic developments were made by the Romans.
- Mythological development - Greek, Egyptian, Norse, Māori
- History– Alexander the Great—the greatest ruler of all time?

What is this subject necessary for?

Thinking, writing and analytical skills which are useful across all academic disciplines.

What equipment/stationery do I need?

A4 folder, dividers and refill

What will this course cost?

Time, commitment, and an open mind

Who should I see for further advice?

Ms S Hull

Economics

Level 3

What qualification can I get from this course?

14-18 credits at NCEA Level 3.

This course contributes to University Entrance literacy requirements.

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

Achievement in one Internal and one External standard in Level 2 Economics (or at the discretion of the HOL)

What will I learn?

Year 13 Economics is an introductory study of both microeconomics and macroeconomics.

How the market allocates resources:

- efficiency
- effects on producers and consumers
- costings / revenue and decision making
- effects of competitors

How the government affects resource allocation:

- government intervention in the economy
- equity and equality of government policies

Economic Activity in our country:

- Reserve Bank actions
- interest rates
- employment
- effects of trade
- government policies

What equipment/stationery do I need?

A4 folder and refill, calculator

What will this course cost?

Workbook—\$35.00 (approximately)

Who should I see for further advice?

Mr G Smith

Geography

Level 3

What qualification can I get from this course?

Credits towards NCEA Level 3. The standards in this course also contribute towards University Entrance literacy requirements.

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

Preferable to have taken Level 2 Geography and gained one internal and one external standard. UE literacy plus genuine interest in the subject or at the discretion of the HOL.

What will I learn?

- Skills in map reading, sketching, analysing data (including photographs), research, evaluating information.
- Knowledge of a cultural process (tourism development) on the Gold Coast
- Geographic Research - fluvial (river) processes
- Analyse aspects of a geographic topic at a global scale.
- Analyse aspects of a contemporary geographic issue.
- Analyse a contemporary event from a geographic perspective.

What is this subject necessary for?

It provides knowledge of people and their environment and is especially useful for: resource management; economics; ecology; tourism; law; biology; teaching; geology; town planning; marketing and management; environmental planning and research.

What will this course cost?

\$20 trip to Waitaki River Valley

\$20 trip to Otago University

(This cost will be confirmed in 2020)

What equipment/stationery do I need?

A4 Folder, refill, coloured pencils and a clear ruler

Who should I see for further advice?

Ms P Holdsworth

Level 3

What qualification can I get from this course?

The Year 13 History course contributes towards a possible 24 credits for Level 3 NCEA. The standards within this course contribute to University Entrance literacy requirements.

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

An awareness that essay writing is a key part of this subject, and an interest and enjoyment of History. It is preferable that students have taken NCEA Level 2 English/ and/or Level 2 History and have passed an external standard in either subject.

What will I learn?

How was it humanly possible?

The Holocaust 1933—1945

Internal Assessment Foci

A Contested Historical Event - The Assassination of J.F.Kennedy

Impact of European colonisation on Banks Peninsula

What equipment/stationery do I need?

A4 folder, refill and dividers

What will this course cost?

\$150.00 field trip to Akaroa. (This cost will be confirmed in 2020)

Time and commitment.

Who should I see for further advice?

Ms S Hull

Tourism

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 3 Unit Standards that are required to complete the NZ Certificate in Tourism and Travel (Introductory Skills) Level 2. Credits also go towards NCEA Level 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 know I am likely to be successful in this subject?

An interest in the New Zealand Tourism Industry

What will I learn?

Students will:

World Travel Geography

- learn knowledge of specific New Zealand regions as 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

Digital Technology

Level 3

There are two courses to choose from in Digital, an Achievement Standard or a Unit Standard, some movement between the courses is acceptable during the year.

Level 3—Web Design

What qualifications can I get from this course?

This is an Achievement Standards course, credits towards NCEA Level 3, literacy credits are available.

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

Priority will be given to students who have studied Level 2 Digital Technology and gained 14 credits (or more) to enter this course. Exceptions may be considered in consultation with Ms Gillies.

What will I learn?

The aim of the course is to provide students with the knowledge and skills that will enable them to participate competently in the technological society. Students will acquire the skills to be able to liaise and work with the community, designing and creating a bespoke professional website using industry standard software such as Dreamweaver and Photoshop .

What equipment/stationery do I need?

Visual diary A4 60 pages and it is recommended that you have a USB pen drive 8GB.

Level 3—Practical Computer Skills

What qualification can I get from this course?

This is an Unit Standards course, credits towards NCEA Level 3.

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

You preferably have studied Level 2 Print Design or Practical Computer Skills to enter this course. Exceptions may be considered in consultation with Ms Gillies.

What will I learn?

The focus of the course is on the continual development practical computer skills, with a strong emphasis on building skills in a range of common application software, its uses and functions. You will learn to further enhance your ability to input and manipulate information and to create and present words in a variety of ways to produce digital media which are visually appealing using computer applications in order to communicate effectively.

What equipment/stationery do I need?

Recommended USB pen drive 8GB. Visual diary or A4 folder and copysafe pockets.

What will the courses cost?

Students need to be aware that they will need to top up their printing account if they want hard copies throughout the year.

Who should I see for further advice?

Ms B Gillies (HOL)

Food Technology & Nutrition

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?

Priority will be given to students who have achieved Level 2 Food Technology and Nutrition and gained 14 credits. Some exceptions to this after consultation with Ms Gillies.

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?

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 adaptation
- 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)

Food Technology & Nutrition

Level 3 - For Waitaki Boys' High School students

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. (14 credits) 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 adaptation
- 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?

Graphic & Design (WBHS)

Level 3

What qualification can I get from this course?

Credits towards NCEA Level 3.

Standards in this course are recommended for Vocational Pathways in: Manufacturing and technology, construction and infrastructure, and creative industries.

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

An interest in design, freehand drawing, traditional technical drawing and computer aided design (CAD).

What will I learn?

In Level 3, students produce conceptual designs in the fields of Architecture, Product Design and Graphic Design using freehand drawing, traditional technical drawing and CAD to create designs. Students will learn about the work of professional designers and make 3D models of their designs using 3D printing facilities.

Assessment is both internal (18 credits) and external (3 credits). Internal assessment is via two major design projects and external through portfolio submission of best design work.

What equipment/stationery do I need?

1 x A3 Drawing pad

A3 Art case zipped

45+ 60 set squares

Warm grey number 2 studio marker

Warm grey number 5 studio marker

Fine point sharpie pen, black fineliner pen, coloured pencils (Aquarell), eraser

Who should I see for further advice?

Ms M Williams

Textiles Technology

Level 3

What qualifications can I get from this course?

NCEA Level Two. Assessment has Internal and External standards

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

Students need an interest in the design process, working with textiles and being creative.

Priority will be given to Year 12 Textiles Technology students. However students who have taken Art or Digital Technology can negotiate with Ms Gillies if they want to enter at Year 13.

Students need to be prepared to spend time at lunch and after school to complete their projects. All sewing is required to be completed at school and paper work can be done at home.

What will I learn?

The senior Textile Design Technology Programme has been designed to give students access to a wide variety of Fashion and Design based skills.

In year 13 students complete two Technology projects where students are assessed on their creativity, production skills and time management.

First there is design unit that will help students prepare a portfolio for a tertiary design course in conjunction with applied design and photo stencil screen printing. The second unit requires students to design and create their own complex garment. They will learn pattern drafting skills and advanced sewing techniques to complete this task.

This course will develop skills and a portfolio for Design and Art based Tertiary study.

What equipment/ stationary do I need?

2 x 40 leaf clear file

Colouring pencils

2 x Project materials/pattern

What will this course cost?

Students supply project materials, threads, and notions at a cost to themselves.

\$60 is charged for the supply of interfacing, calico for functional modelling, and photographic screen printing.

Who do I see for further advice?

Ms B Gillies

Dual Pathway

Level 3

What qualifications can I get from this course?

Credits towards NCEA Level 3. Credits toward Vocational Pathways in the Sector you choose: Service Sector, Primary Industries or Construction and Infrastructure.

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

A positive attitude and a real interest in the course being offered. **Being committed to staying at school for a full year.**

What will I learn?

There will be several Level 3 courses offered at ARA, Timaru Campus (actual courses to be confirmed). You will gain at least 20 credits in the course of your choice.

- Construction and Infrastructure—Carpentry (1 day a week)- 1 term, then 1 term work place
- Service Sector—Hospitality Career Pathways (1 day a week)
- Primary Industries—Achievement Standard Primary Industries
- Community and Health—Sustainability and the Outdoors (1 day a week)

We are waiting confirmation of all the courses being offered.

These courses run one day per week. If your course is in Timaru you must commit to catching a bus at 6.45am every course day and returning at 6pm that evening. The times may alter depending on numbers. You must **commit to staying at school for the full school year and commit to completing the whole course.**

If you wish to be considered for any Dual Pathway course you must write a letter of application to Mrs Hay by 20th September 2019.

What is this subject necessary for?

A career in the chosen area

What equipment/stationery do I need?

Ring binders and pens.

What will this course cost me?

The School covers the costs of the course.

You need to provide appropriate clothing including footwear for your course.

Who should I see for further advice?

Gateway

Level 3

What qualification can I get from this course?

This is an alternative course that gives you a chance to gain some industry-based training and qualifications at an appropriate level. You need to have a career focus to be considered for the privilege to be part of this programme.

You must be able to gain 20 credits towards NCEA Level 2 or 3, these credits are industry based. This is a unit standard based course.

Credits towards Vocational Pathways in most areas are available depending on personal work area.

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

You need to write a letter of application to Mrs P Ambler giving reasons why you wish to be involved in the programme, your long-term career goals and showing the commitment you would bring to the programme, to the school and your employer.

The due date for this letter is 20th September 2019. You must be committed to gaining at least 20 credits in your chosen area and have a positive attitude.

What will I learn?

You will have one day per week in the workplace, where you will be a trainee. You will be treated as any employee with the same expectations. You will undertake work-related study, which may be assessed on the job or through correspondence. We have the expectation that you will complete all your work-related units and keep up with any missed class work from all subjects.

What is this subject necessary for?

Future employment.

What equipment/stationery do I need?

Most stationery will be provided but you will need a ring binder and pens etc.

Clothes suitable to wear in your choice of workplace.

What will this course cost?

Gateway pays any work-related and course costs.

Who should I see for further advice?

Mrs P Ambler or Mrs Hay

(16 places available over Year 12 and 13.)

Transition

Level 3

What qualification can I get from this course?

Credits towards NCEA Level 2, and Level 1 and 3 (as required)

Standards in this course are recommended for Vocational pathways in: social and community, service industries, creative industries and primary industries.

What do I need to do this subject?

No pre-requisites.

What will I learn?

Skills for life after school:

- Work skills and expectations
- Workplace expectations
- Interview skills
- Information needed for flatting
- Budgeting.
- Interpersonal Skills
- Parenting skills
- Tots and toddlers course.
- Health.
- Level 3 credits can be offered depending on student needs.

What is this subject necessary for?

Life beyond school.

What equipment/stationery do I need?

A4 folder and refill or 2B8 (hardcover) book, pens.

What will this course cost?

Nil

Who should I see for further advice?

Mrs V Hay