

Otago Boys' High School

Course selection for 2019

NCEA Level 2

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga



Boys, parents and caregivers

Welcome to your second year of NCEA. The aim of this booklet is to assist you with your course planning for next year. The handbook contains information on all subjects currently offered in the senior school.

Be assured that every effort will be made to provide a course of study that will meet your needs and assist you to achieve your academic and career goals.

Advice on course planning is available from the staff listed below. For advice on individual subjects please talk to your teachers and the staff member listed in the information for each subject. Read this booklet carefully, and keep it for later reference.

Some quick tips & advice

- Know any prerequisites (what must be studied beforehand);
- Plan ahead into Year 13 and beyond (what your course leads to);
- Consult with the adults you live with and with the teachers in charge of subjects.
- Follow ***your*** preferences and choices, not those of your mates.

Key staff for 2019 - You may wish to ask advice from the following staff

Guidance Counsellor	Mr Rust
Careers Advisors	Mr Swan and Ms Irving
Academic leader	Mr Hooper

Vision: Best for Boys Through the Right Learning



Curriculum choices for 2019 – NCEA Level 2

General information

Classes will be organised and timetabled to operate only if there are sufficient numbers of students interested and if staffing and resources are available. There may be composite (mixed level) classes. Video conference and/or Correspondence School courses may have to be applied for. There is also the possibility of linking with Otago Girls' High School for very specific courses that are not able to be delivered here at Otago Boys' High. Selection into such courses would undergo a rigorous process and would not expect to affect more than a few students. Please speak with Mr Hooper for further information. For the vast majority of students the school's policy is to have students taught here at school by teachers.

Specific information for Year 12 students in 2019

Students study SIX subjects including an English course. Most Level 2 (Year 12) subjects have prerequisites based on your achievement in NCEA Level 1. Students may be directed into a multi-level course combining Level 1 and Level 2 subjects or into alternative courses if they have not achieved the requirements needed to continue a subject at Level 2.

Level 2 subjects involve a significant academic "step up" compared with Level 1 and are the foundation for your success in Year 13 and beyond. Ensure that the Year 12 subjects you choose keep your options open for Year 13 and give you the foundation and necessary prerequisites for continued study.

Some combinations of subjects are not possible at Level 2 in 2019. For example, you are not allowed to do Level 2 P.E and Level 2 Applied P.E. The credits offered for qualification overlap each other too much.

Recognising high achievement

You can gain a NCEA with Merit or Excellence. If you gain enough credits for your NCEA and 50 or more of them are at Excellence, you will earn NCEA with Excellence. If you get 50 or more credits at Merit (or a mix of Merit and Excellence), you will earn NCEA with Merit.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Course endorsements 2018

A course endorsement provides recognition for a student who has performed exceptionally well in an individual course. The key objective of a course endorsement is to motivate students to achieve their potential in one or more courses. Students will gain an endorsement for a course if, in a single school year, they achieve:

- 14 or more credits at Merit or Excellence at the lower level that supports the endorsement
- at least 3 of these credits from externally assessed standards and 3 credits from internally assessed standards. Note this does not apply to Physical Education and level 3 Visual Arts.

Centurions & Silver Oak Leaf

Centurions recognise those students who have passed all internals and externals through the course of the year. It is acknowledged through the award of the Silver Oak Leaf, a permanent symbol of our school motto “Recti Cultus Pectora Roborant”. At various other times through the year, in senior assemblies and in year group assemblies, those students who are still maintaining a 100% pass rate will be acknowledged in the company of their peers.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga



Curriculum choices for 2019 – NCEA Level 2

How to make your subject choices

From the evening of Wednesday 12th September, you will notice a new link on your KAMAR Portal homepage (portal.obhs.school.nz) called “Course Selection”.

Subject choices **must be submitted by Thursday 20th September**

When you click on Course Selection you will see a screen that looks like this (*this screen clipping is just from the Level 1 screen – you will of course see Level 2 subjects*)

Course	1	2	3	4	5	6
General						
(11ENG)	x	x	x	x	x	x
(11MAT)	x	x	x	x	x	x
(11SCI)	x	x	x	x	x	x
(11ACC)	x	x	x	x	x	x
(11AGR)	x	x	x	x	x	x
(11ART)	x	x	x	x	x	x
(11DVC)						

Preview Selection Save

You must make 6 course selections in total (there are some exceptions to this such as those students being accelerated in Mathematics, those wishing to study a course at Otago Girls or those doing a course through Correspondence School. As stated earlier these students must discuss with Mr Hooper their option choices)

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga



Curriculum choices for 2019 – NCEA Level 2

When making course selections you will notice the grey boxes turn to green ticks as below. You must make one selection per column. You can see how your selections are progressing at the bottom left of the screen.

Course	1	2	3	4	5	6
(11SCI)	x	x	✓	x	x	x
(11ACC)	x	x	x	x	x	x
(11AGR)	x	x	x	✓	x	x
(11ART)	x	x	x	x	✓	x
(11DVC)	x	x	x	x	x	x
(11DGT)	x	x	x	x	x	✓
(11ECO)	x	x	x	x	x	x
(11FDN)	x	x	x	x	x	x

1: 11ENG, 2: 11MAT, 3: 11SCI, 4: 11AGR, 5: 11ART, 6: 11DGT

Preview Selection Save

When you are sure you have made the 6 course selections then click on “Preview Selection”, as shown below and when you are satisfied with your choices please click on “Confirm selection”.

Subject Confirmation

Please confirm your course selection:

- 1: 11ENG
- 2: 11MAT
- 3: 11SCI
- 4: 11AGR
- 5: 11ART
- 6: 11DGT

Confirm Selection Close

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



If you change your mind before the deadline please submit another round of choices and please inform Mr Hooper by email. We are always here to help and advise. Please do not be afraid to drop me an email over the next few days or leave a message on the phone.

mark.hooper@obhs.school.nz 03 474 3043

Please remember the deadline for making
your subject selections is

Thursday 20th September

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2

Accounting

For further information please see Mr Ashwin brian.ashwin@obhs.school.nz



*“KEEP CALM AND CARRY
ON ACCOUNTING”*

NCEA Level 2 / Course code: 12ACC

Entry information:

A minimum of 12 NCEA Accounting Level 1 credits including the 5 credits in Achievement Standard 90978. Year 12 students wishing to study Accounting for the first time should seek advice from Mr Ashwin.

Topics and contexts studied in this course:

Students are introduced to the foundations of Accounting and the principles upon which it is based. Major parts of the course include processing transactions using a software package, presenting, reporting and analysing financial information and a study of accounting systems and decision making.

Useful 21st Century skills and competencies you will learn in this course:

The course develops student's knowledge of the principles, processes and reporting functions of Accounting. Information, numeracy, stewardship, communication and problem-solving skills are developed in Accounting.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards UE reading	Counts towards UE writing
Demonstrate understanding of accounting concepts for a sole proprietor.	4	91174	External	N	N
Demonstrate understanding of accounting processing using accounting software.	4	91175	Internal	N	N
Prepare financial information for an entity that operates accounting subsystems.	5	91176	External	N	N
Interpret accounting information for sole proprietors that operate accounting subsystems	4	91177	External	N	N
Demonstrate understanding of an accounts receivable subsystem for an entity.	3	91179	Internal	N	N
Demonstrate understanding of an inventory subsystem for an entity	3	91386	Internal	N	N

Course costs:

\$30 for workbooks

Further study from this course:

To the study of Level 3 Accounting. Anyone considering a career in business should “give Accounting a go”. Accounting is the language of business, spoken all over the world.

Potential careers that value learning and skills form this course:

Tertiary qualifications in Accountancy, Commerce, Business Studies, Computing and Law. New Zealand accountancy qualifications and skills are highly marketable in New Zealand and internationally.

Accounting opens up a wide range of career options. You could join a Chartered Accountancy firm, a government department, a charitable or sporting organisation, private industry or set up your own business

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga



Curriculum choices for 2019 – NCEA Level 2

Agricultural and Horticultural Science

For further information please see Tim Ashdown tim.ashdown@obhs.school.nz



"If you ate today, thank a farmer!"
Anon

NCEA Level 2 / Course code: 12AGR

Entry information:

There are no prerequisites for this course.

Topics and contexts studied in this course:

The course develops the skills from year 11, although you do not need to have done year 11 to start the course. It continues the broad-based study of Agriculture and Horticulture and is suitable for any student keen on a career in primary industries, applied science, or simply an interest in cultivating their own food.

Useful 21st Century skills and competencies you will learn in this course:

In this course you will learn advanced cultivation techniques, raise livestock, research N.Z agriculture and plan a site for farming.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga



Curriculum choices for 2019 – NCEA Level 2

Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Investigation	4	91289	Internal	N	N
Grafting plants	4	91291	Internal	N	N
Livestock reproduction	4	91293	Internal	N	N
Livestock behaviour	4	91295	Internal	N	N
Environmental impacts	4	91298	Internal	N	N
Landscape design	4	91296	Internal	N	N
Land use	4	91297	External	N	N

Course costs:

Exercise book

Further study from this course:

A great preparation for any agricultural career and useful for students who want to grow their own food.

Potential careers that value learning and skills form this course:

Any career in Agriculture or applied Biology

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Visual Art

For further information please see Mrs Brigid Allan brigid.allan@obhs.school.nz



“Inspiration exists, but it has to find you working”

Pablo Picasso

NCEA Level 2 / Course code: 12ART

Entry information:

This course is best undertaken following a year of attaining 14 Credits in Level 1 Art. However, students can be accepted upon the presentation of a personal collection of artwork that reflects enthusiasm and some ability.

Topics and contexts studied in this course:

Visual Art at Level 2 focuses on developing knowledge of art conventions in the field of Painting. Assessment focuses on a student's practical knowledge, idea development and creative thinking through the guidance of established painting practice. This is an important practical foundation to the establishment of one's own skill and artistic vision.

Students will research the processes and procedures of established practice in Painting using artist models. Developing a sound foundation knowledge in art conventions and their practical application, students will further extend their study into producing a 2-panel portfolio of artwork. Working with the implicit motivation of students, it is encouraged that they explore both subject matter and established artist models of personal interest; this may include the mixed media use of Printmaking and Photography.

Useful 21st Century skills and competencies you will learn in this course:

Critical Thinking, Initiative, Flexibility, Creativity, Media Literacy and Communication are just some of the skills developed in the creative field of Visual Art.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Demonstrate an understanding of methods and ideas from established painting practice appropriate to painting.	4	91311	Internal	N	N
Develop ideas in a related series of drawings appropriate to established painting practice	4	91316	Internal	N	N
Produce a systematic body of work that shows understanding of art making conventions and ideas within painting.	12	91321	External	N	N
Produce a resolved work that demonstrates control of skills appropriate to cultural conventions.	4	91325	Internal	N	N

Course costs:

The cost of this course is \$80

It includes but is not limited to: 1 Sketchbook, 1 Set of A2 paints, watercolour paints, 6 Brushes, 4 Pencils, 2x Sharpie Markers, Erasers, A mixture of weighted papers, canvas paper.

Further study from this course:

NCEA Level 3 Visual Art. Some students may gain access into a Foundation Arts course at Polytechnic with Level 2 and a portfolio of evidence showing skill in the field of Visual Art.

Potential careers that value learning and skills from this course:

When thinking about future careers, it is important to understand that the skills learnt in Visual Art are a unique blend, and therefore transferrable to a wide range of jobs outside the field of Visual Art. Today, modern creative industries are competitive environments in which many pathways for employment can be found, such as; Television, Film, Arts Heritage, Illustration, Newspaper layout, Model builder, Graphic Designer, Industrial designer, Landscape, Marketing, Pattern Design, Advertising, Product Design, Packaging, Fashion, Photography, Tattoo Artist, Animator, Gaming and Web Development.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Biology

For further information please see Ms Pru Casey pru.casey@obhs.school.nz



“Biology is the technology that builds our world, and we can harness it to shift humanity from a scarcity to an abundance economy”
Ryan Bethencourt

NCEA Level 2 / Course code: 12BIO

Entry information:

Success in Level One Sciences leads well to level two Biology studies. Students who are achieving in English and/or Mathematics will also do well in Biology.

12 credits gained in Level 1 Science and 10 credits in Level 1 English are pre-requisites for this course.

Topics and contexts studied in this course:

Biology studies are fun as well as academically challenging. Molecular biology, cell biology, genetics, ecology and evolution are all studied at this level.

Useful 21st Century skills and competencies you will learn in this course:

This science relies on the abilities of students to read and write well, to work together in teams and to engage in the natural world and guardianship *rangatiratanga* of our natural heritage *taoka*, relating biological principles to what they observe in the world around them.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards UE reading	Counts towards UE writing
Ecology of Otago estuaries	4	91158	Internal	N	N
Animals of the estuary	3	91155	Internal	N	N
An enzyme investigation	4	91153	Internal	N	N
Cell biology	4	91156	External	N	N
Genetic variation and change	4	91157	External	N	N

Course costs

SciPad Workbook \$32

Field trips: Three year start fieldtrips total cost is \$12

Marine Sciences Field Trip to Portobello \$50

Further Studies from this course

Level 3 Biology studies for university Biology study

Level 3 Biology studies for careers other than Sciences

The NZIBO specialist training course for students passionate about biology/aspirational First Year Health Science University candidates, is also offered by entrance exam in August.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2

Chemistry

For further information please see Ryan Golder ryan.golder@obhs.school.nz



*"If you can count to four you
can do Chemistry." Mr Phillip
Nash*

NCEA Level 2 / Course code: 12CHE

Entry information:

Covered the material in the Carbon Chemistry external at Level 1.

Topics and contexts studied in this course:

In this course we will study how the bonding within different types of matter influences their properties in terms of both organic and inorganic matter.

Useful 21st Century skills and competencies you will learn in this course:

How to analyse the structure to find out how it influences the function.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
2.1 Titration Investigation	4	91161	Internal	N	N
2.4 Structure and Bonding	5	91164	External	N	N
2.3 Research	3	91163	Internal	N	N
2.7 Redox	3	91167	Internal	N	N
2.5 Organic Chemistry	4	91165	External	N	N
2.6 Chemical Reactivity	4	91166	External (Optional)	N	N

Course costs:

\$25 for the external and internal Scipad books.

Further study from this course:

This course leads on to the level 3 course or entry into some Polytechnic courses.

Potential careers that value learning and skills from this course:

Chemistry is particularly useful for courses of study like engineering and health science. Although anyone can benefit from knowledge of Chemistry as everything is made of atoms.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



For further information please see Mr Richard Dougherty richard.dougherty@obhs.school.nz



“Architecture should speak of its time and place, but yearn for timelessness.”
Frank Gehry

Eamon Sun “Dream House” sketchbook extract

NCEA Level 2 / Course code: 12DVC

Entry information:

14 Level 1 DVC credits achieved. Combined Internal and External achievement standards.

Any other students with desire to attempt DVC needs to negotiate with Mr Dougherty, with an expectation of extra efforts to upskill in techniques/systems already covered in level 1. Jnr DVC is an advantage.

Topics and contexts studied in this course:

DVC (Design and Visual Communication) is a creative visual course where students will be using a wide variety of media and presentation techniques on Architectural and Product design briefs. Students will cover 2 Major creative design tasks, while developing graphic communication skills. Freehand drawing is emphasized as a means of helping to solve design problems. We utilize 3D modelling software, 3D Printing of prototypes and hand craft model scale miniatures. Research skills, initiative, ingenuity and resourcefulness are attributes a student will develop through his work.

It is an NCEA course which includes three units which are internally assessed and three which are externally assessed. Together these are worth a total of 23 credits towards the National Certificate of Educational Achievement. Students will have the opportunity to offer work in all the Achievement Standards although some are offered for extension for the aspirational student.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Useful 21st Century skills and competencies you will learn in this course:

As visual communication is how most communication occurs (estimated at 80%) there is no more important or relevant skills to hone, especially in this digital age. Any future where ideas need to be developed and/or communicated will benefit from Design and Visual Communication (DVC)

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Use visual communication techniques to generate design ideas	3	91337	External	N	N
Produce working drawings to communicate technical details of a design	4	91338	External	N	N
Produce instrumental perspective projection drawings to communicate design ideas.	3	91339	External	N	N
Use the characteristics of a design movement or era to inform own design ideas.	3	91340	Internal	N	N
Develop a spatial design through graphics practice	6	91341	Internal	Y	N
Develop a product design through graphics practice	6	91342	Internal	N	N
Use visual communication techniques to compose a design presentation of a design	4	91343	Internal	N	N

Course costs:

There is a small fee to cover the extensive equipment offered to the students. A wide variety of high quality pens, inks, paints & paper are used. There is also a department colour printer that is extensively used, a 3d printer, digital SLR camera, miniature modelling materials & equipment. The room is full of specialized equipment that allows for broad presentation techniques that caters to individual strengths and abilities.

Further study from this course:

The Achievement standards offered lead towards the level 3 DVC course, which counts towards University entrance. Scholarship is available for the elite.

Relevant tertiary study areas: Architectural Design, Surveying, Engineering, Interior design, Commercial/Print Illustration, Product design, Graphic Design, Web Design, Game design, Fashion design, Art. These all have University degrees and Diploma courses depending on individual tertiary institutions.

Potential careers that value learning and skills form this course:

Architect, Surveyor, Engineer, Builder, Interior designer, Product designer, Graphic designer, Web designer, Game designer, Illustrator, Fashion designer, Artist

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Digital Technologies in 2019

For further information please see Nicole Bennett nicole.bennett@obhs.school.nz



“Computers are going to be a big part of our future...and that future is yours to shape” – Barack Obama

NCEA Level 2 / Course Code: 12DGT

Entry information: You must have taken Level 1 Digital Technologies and passed both: Programming 1.7 and Web Design 1.4. This course requires 1 year of prior coding in the following languages: (HTML/ CSS and Python). Multiple advanced programs will be developed so prior knowledge is expected.

Topics and contexts studied in this course:

Responsive Web Design and Development
Human Computer Interaction (usability heuristics)
Advanced computer programming (either Python or JavaScript)

Useful 21st Century skills and competencies you will learn in this course:

You will learn to code responsive websites from the ground up, from design to final implementation using original graphics you have designed. You will continue to develop your advanced programming skills building upon your existing knowledge of Python.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnora | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Develop a Design	3	2.2	Internal	N	N
Web Design	4	2.4	Internal	N	N
Develop a digital outcome	6	2.8	Internal	N	N
Programming	4	2.7	Internal	N	N

Course costs:

\$15 this covers access to the full Adobe Cloud and Code Avengers Platform

Further study from this course:

NCEA Level 2 Digital Technology

Potential careers that value learning and skills from this course:

Web Designer / Developer , Digital Media and Marketing, Computer Programmer, Software Engineer, IT consultant, Database Administrator, Data Analyst, Games Developer, Application Developer.

Vision: Best for Boys Through the Right Learning

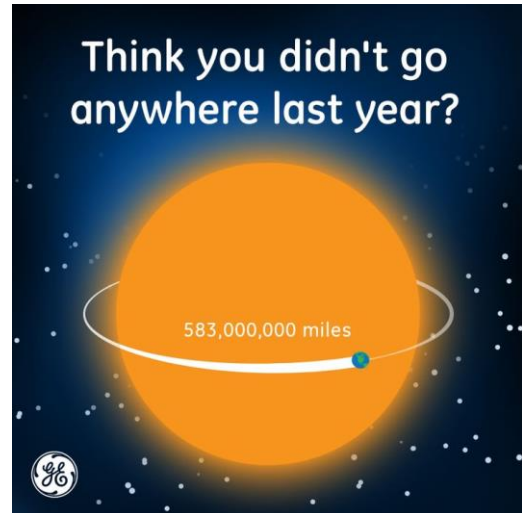
Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Earth and Space Science

For further information please see Mr Zani Justin.zani@obhs.school.nz



NCEA Level 2 / Course code: 12ESS

Entry information:

Students taking this course must bring a sense of wonder and awe about the world around us.

Topics and contexts studied in this course:

This course is a mixture of units studying geology and space science. It is a full NCEA course and focusses on geology in a New Zealand context, including earthquakes, volcanoes and tsunamis, as well as life, birth and death of stars, planets and moons.

This course is a mixture of internal and external standards.

Useful 21st Century skills and competencies you will learn in this course:

It is an interesting blend of topics and is challenging and engaging for all students regardless of their ability and prior knowledge. It will encourage students to think critically and develop a global perspective on a wide range of issues, including space exploration, the environment and earth systems.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards UE Reading	Counts towards UE Writing
Lava Viscosity	4	91187	internal	N	N
Climate Change and how it is presented in the media	4	91188	internal	N	N
Dunedin's volcanic history	4	91189	internal	N	N
Human survival in space	4	91190	internal	N	N
Extreme earth events in NZ	4	91191	external	N	N
Life and death of stars	4	91192	external	N	N

Course costs:

Level 2 Earth and Space Science Learning Workbook (ESA) \$32 and a 1B5 note book
Students are recommended to bring a laptop to class during internal assignments

Optional extra costs

North Island Volcanoes Tour approx. \$1200

Beverly Begg Observatory Trip \$5

Further study from this course:

This course leads in to Level 3 Earth and Space Science and is also a strong introduction to Earth and Ocean Science and any related field, as well as many astronomy/physics topics. It is a useful subject to combine with Chemistry / Biology to broaden contextual scientific understanding.

Potential careers that value learning and skills from this course:

Astronomy/Astrophysics

Geology

Surveying

Mining industry

Marine Science

Archaeology

An understanding of the environmental implications of human actions

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2

Economics

For further information please see Mr Gwyn Pratley gwyn.pratley@obhs.school.nz



“There’s no such thing as a free lunch”

NCEA Level 2 / Course code: 12ECO

Entry information:

There are **NO** prerequisites for entry into this course.

However, it is recommended that you will have passed two internal and two external standards at Level 1 Economics to be prepared to study Level 2 Economics. If you did not study Level 1 Economics then entry is at the discretion of the TIC who will assess your readiness to cope with the Level 2 workload based on your Level 1 NCEA results.

Topics and contexts studied in this course:

The course provides a framework of macro-economic theory and provides a good grounding for future study in the subject. The course covers the topics of Unemployment, Inflation, International Trade and Economic Growth and looks at the role of Government in New Zealand Economy.

Useful 21st Century skills and competencies you will learn in this course:

Economics is a course that looks to encourage the following 21st Century Life Skills: Critical Thinking, Creativity, Collaboration, Communication, Information literacy, Media literacy, Technology literacy, Flexibility, Leadership, Initiative, Productivity & Social skills.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



This is a full year course provides the opportunity to gain 22 credits This full year course is designed to meet the needs of the learners from the range of standards available below. A mix of internally assessed and externally assessed credits will be offered. The focus is on the achievement of these credits at Merit and Excellence to gain preferential entry to university study and subject endorsement. Level 2 students are also encouraged to enter the University of Auckland NZ Economics Competition. Level 2 Economics standards will also contribute to reading and writing credits for University Entrance Literacy.

Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards UE Reading	Counts towards UE Writing
Analyse inflation using economic concepts and models	4	91222	External	N	Y
Analyse international trade using economic concepts and models	4	91223	External	N	Y
Analyse economic growth using economic concepts and models	4	91224	External	N	Y
Analyse unemployment using economic concepts and models	4	91225	Internal	N	N
Analyse how government policy and contemporary issues interact	6	91227	Internal	Y	N

Course costs:

Students are encouraged to purchase the Year 12 NCEA workbook which helps reinforce and supplement the material covered during class time. This will cost approximately \$35.00.

Further study from this course:

Within School: To Level 3 Economics

Tertiary and Careers: To degrees such as Bachelor of Commerce or Arts. Polytechnic courses such as National Diploma in Business Studies or Management.

Potential careers that value learning and skills form this course:

Economics can lead to employment in the following sectors: Banks, Finance and Investment Companies, Sharebrokers, Accounting Firms, Business Services, Law Firms, Major commercial and industrial companies, Reserve Bank, Treasury, Pharmac, Ministry of Foreign Affairs & Trade, Department of Internal Affairs, Department of Labour, Statistics NZ, Ministry of Commerce, NZ Trade Development Board, Economic research and consultancy firms, Hospital administration and Health Authorities, Local government and planning authorities, Universities and other educational institutions, Sociologists, Planning

Vision: Best for Boys Through the Right Learning

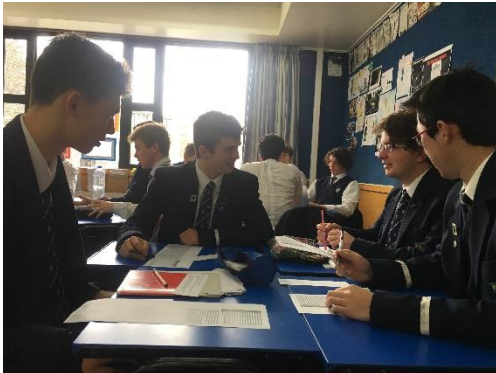
Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



English

For further information please see HOD English, Mr Tagg stewart.tagg@obhs.school.nz



“Hey, here's the key. Here's the key to understanding life and all its forms.” Tom Woolf

NCEA Level 2 / Course code: 12ENG

Entry information:

Students will be guided into the appropriate programme based on their Year 11 achievement and advice from their Year 11 English teacher. Entry to any Year 12 programme is at the discretion of the HOD English.

Topics and contexts studied in this course:

Level Two English is an academic course which aims to instruct students in the following areas: Reading Skills and Response to Literature (Drama, Novel, Short Stories, Poetry, Non-Fiction, and Film), Writing Skills, Research Skills, Speaking and Presentation Skills and Media Production Skills.

During the year you will build on the skills of interpretation and analysis developed in Level One. Independent study skills along with organisational and co-operative skills are also emphasised. Students intending to carry on to university study must complete this course.

Useful 21st Century skills and competencies you will learn in this course:

- Careful reading skills
- Accurate writing skills
- Critical thinking skills
- Working with others
- Cultural competency

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Analyse specified aspect(s) of studied written text(s), supported by evidence	4	91098	External	Y	Y
Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	4	91100	External	Y	Y
Produce a selection of crafted and controlled writing	6	91101	Internal	N	Y
Construct and deliver a crafted and controlled oral text	3	91102	Internal	N	N
Create a crafted and controlled visual and verbal text	3	91103	Internal	N	N
Analyse significant connections across texts, supported by evidence	4	91104	Internal	N	N
Form developed personal response to independently read texts, supported by evidence	4	91106	Internal	Y	N
Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	3	91107	Internal	N	N

Course costs:

There are no costs for this course.

Further study from this course:

The skills taught in English are valued across a range of subjects and disciplines. Being that English teaches us to write accurately, to read carefully and to think critically, students who find success in this subject often find success widely.

Boys who find success in any of these courses can progress to English in year 13. Various assessments in Level Two English count towards students' University Literacy requirements.

Potential careers that value learning and skills from this course:

Any career or vocation which values careful reading, accurate writing and critical thinking value English students. Jobs in: administration, finance, general management and research are examples.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Food and Nutrition

For further information please see jacqueline.iring@obhs.school.nz or emma.moore@obhs.school.nz



“The only stumbling block is fear of failure. In cooking you’ve got to have a what-the-hell attitude.”
Julia Child.

NCEA Level 2 / Course code: 12FDN

Entry information

Students who have studied this subject in Years 10 and 11 have prior knowledge and skills that underpin course content at this level. Students in collaboration with their teacher will determine which standards are best fit for their learning needs.

Topics and contexts studied in this course:

AS 91299 Special Food Needs - A case study on teenagers with specific food needs – high energy users. The context for this in 2018 was the OBHS Rowers.

AS 91302 Sustainability and The Otago Farmers Market - Examining global, national and local practices with food. Knowledge, attitudes and values in action. A Saturday field trip and guests to class bring this to life. Cook with locally sourced ingredients in class.

AS 91304 Health promotion strategies in New Zealand - Students must challenge a current strategy in action designed to improve a nutritional need for New Zealanders. The context for this exam could be anything from removing sugary drinks from Schools to establishing community vegetable gardens.

US 13285 Knife safety and use - Techniques to sharpen and use a range of knives in practical sessions in our specialist room at OBHS. Hands on learning at its best.

US 22234 International Food - Comparing the characteristics of a range of international dishes that are prepared and presented. Variety is the spice of life.

US 167 Food Safety – Students wishing to gain this will have the opportunity via a Star funded course. This is a one-day course off site and is an additional cost of \$20.

Useful 21st Century skills and competencies you will learn in this course

Resourcefulness and relating to others underpins success in this course. Students will be challenged with the conflicting views of others in this course. They will reflect on their own learning and have their assumptions and perceptions challenged.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnora | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Analyse food needs	5	91299	Internal	N	N
Sustainable food practices	5	91302	Internal	N	N
Health promotion strategies	4	91304	External	Y (Writing)	N
Handling Knives	2	13285	Internal	N	N
International dishes	4	22234	Internal	N	N
Food Safety	4	167	External	N	N

Course costs:

Students wishing to undertake food practical lessons will be invoiced if they wish to have ingredients supplied by Otago Boys' High School. There is an additional cost of \$20 for those students who wish to undertake US 167 offered by The Learning Place in May 2019.

Further study from this course:

A natural progression into Level Three Food and Nutrition. See further in this booklet.

Product Development and Innovation, Bachelor of Culinary Arts, Nutrition Degree, Marketing Degree, Food Science and Technology, Hospitality, Food Manufacturing, Human Resources, Agriculture and Food Marketing.

Potential careers that value learning and skills from this course:

Research, Food Technologist, Product Developer, Food Agriculture and Business Marketing, Chef, Dietician, Sports Nutritionist, Quality Assurance.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



French

For further information please see Elaine Kelly, elaine.kelly@obhs.school.nz



*“To have another language
is to possess another soul.”
Charlemagne, King of the Franks
and Holy Roman Emperor*

NCEA Level 2 / Course code: 12FRE

Entry information:

Ideally you should have completed NCEA Level 1 French. If you have not but have former experience of learning French in a different context then you should see Ms Kelly elaine.kelly@obhs.school.nz who will assess whether you qualify to take this course.

Topics and contexts studied in this course:

This course builds on the topics you have studied for NCEA Level 1 but you will delve deeper into current events and issues and how they affect young people in both New Zealand and French speaking countries.

- Life in the future - your goals for the future, how technology may influence our future
- Customs and lifestyles in New Zealand and French speaking countries (comparing)
- Lifestyles – issues that may affect young people such as alcohol, drugs, stress
- Technology and social media – advantages and disadvantages, dangers for young people

*Students are surveyed at the start of the year to determine which topic areas are of most interest to the class and teaching plans are structured accordingly. A wide variety of authentic materials is used including articles from magazines, news websites for young people, the “Language Perfect” website and other online resources such as “The Language Gym”, “This is Language” and “All in Languages”. Contemporary music and film is included in this course. You will also have the chance to enter a speaking competition to win a home stay trip to New Caledonia.

Useful 21st Century skills and competencies you will learn in this course:

Communicating and Effectively Engaging an Audience (Writing, Verbally, Visually)
Demonstrating Cross cultural and Bilingual Competence
Thinking both Critically and Creatively
Demonstrating Resilience and Solving Problems
Displaying Effective Interpersonal Behaviour whilst Working Independently and in Teams
Reflecting on Performance and Personal Learning
Organising Effectively and Displaying Digital Competence

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Give a 2 - 3 minute spoken presentation in French	4	91120	Internal	N	N
Interact in French with your teacher and/or peers (4 mins over 2 recordings)	5	91119	Internal	N	N
Portfolio of writing (2 pieces) of 400 words minimum	5	91122	Internal	N	N
Listening Comprehension	5	91118	External	N	N
Reading Comprehension	5	91121	External	N	N

Course costs:

NIL

Further study from this course:

Further study at Level 3.

Potential careers that value learning and skills from this course:

There are many employment pathways open to you because of learning a language. Obvious jobs such as translator, interpreter or teacher are only a few. There is much research that demonstrates that employers really value the transferable skills that you bring because of learning languages, even if they don't need you to speak a language.

Many companies have suggested that having a second language gives you the competitive edge and a USP (Unique Selling point) over other candidates. It is an unusual qualification that employers respect and that makes you look intelligent. Statistics show that you can also earn more than average if you have a second language.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Geography

For further information please see Mr Campbell alastair.campbell@obhs.school.nz



“Everything has to do with Geography”

Judy Martz

NCEA Level 2 / Course code: 12GEO

Entry information:

A minimum of 12 Level 1 credits in Geography or 12 Level 1 credits in English.

Topics and contexts studied in this course:

The Level 2 course covers two main areas: They are: Natural Landscapes: A study of the South Island High Country geographic environment. Inequalities of development: An introduction to the differences that have developed between different nations and parts of the world. The course builds on and develops geographic ideas, concepts and skills which will be beneficial for Level 3 studies.

Useful 21st Century skills and competencies you will learn in this course:

- skills in research and data collection, analysis and evaluation;
- mathematical and computational skills;
- IT skills, for example computer cartography and the use of databases and spreadsheets;
- written and oral communications skills, including report writing and data presentation;
- the ability to understand abstract concepts and articulate these to a range of audiences;
- planning and problem-solving skills;
- creative thinking and the ability to recognise the moral and ethical issues involved in debates;
- the ability to work independently and also in a team, taking on board ideas and coming to a consensus;
- self-motivation and self-reliance;
- time management and the ability to meet deadlines.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Demonstrate geographic understanding of a large natural environment.	4	91240	External	Y	Y
Demonstrate geographic understanding of differences in development.	4	91242	External	Y	Y
Apply concepts and geographic skills to demonstrate understanding of a given environment.	4	91243	External	N	N
Conduct geographic research with guidance.	5	91244	Internal	N	N
Explain aspects of a contemporary geographic issue.	3	91245	Internal	N	N
Explain aspects of a geographic topic at a global scale.	3	91246	Internal	N	N

Course costs:

Field Trip – cost to be determined

Further study from this course:

A variety of skills such as gathering, processing, evaluating information are developed which can be applied in other subjects. To Level 2 geography where all skills taught are developed further and applied to our local area.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Potential careers that value learning and skills from this course:

Jobs directly related to Geography:

- Cartographer
- Commercial/residential surveyor
- Environmental consultant
- Geographical information systems officer
- Planning and development surveyor
- Secondary school teacher
- Town planner

Jobs where Geography would be useful:

- International aid/development worker
- Landscape architect
- Logistics and distribution manager
- Market researcher
- Nature conservation officer
- Sustainability consultant
- Tourism officer
- Transport planner

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnora | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



German

For further information please see Elaine Kelly elaine.kelly@obhs.school.nz



“If you talk to a man in a language he understands, that goes to his head. If you talk to him in his own language, that goes to his heart”

Nelson Mandela

NCEA Level 2 / Course code: 12GER

Entry information:

Ideally you should have completed NCEA Level 1 German. If you have not but have former experience of learning German in a different context then you should see Ms Kelly elaine.kelly@obhs.school.nz who will assess whether you qualify to take this course.

Topics and contexts studied in this course:

This course builds on the topics you have studied for NCEA Level 1 but you will delve deeper into current events and issues and how they affect young people in both New Zealand and German speaking countries.

- Life in the future - your goals for the future, how technology may influence our future
- Customs and lifestyles in New Zealand and German speaking countries (comparing)
- Lifestyles – issues that may affect young people such as alcohol, drugs, stress
- Technology and social media – advantages and disadvantages, dangers for young people

*Students are surveyed at the start of the year to determine which topic areas are of most interest to the class and teaching plans are structured accordingly. A wide variety of authentic materials is used including articles from magazines, news websites for young people, the “Language Perfect” website and other online resources such as “The Language Gym”, “This is Language” and “All in Languages”. Contemporary music is included in this course, and we will watch and discuss at least one film. You will also have the chance to attend German Camp and be interviewed to win a [scholarship](#) to spend between 4 and 10 weeks in Germany.

Useful 21st Century skills and competencies you will learn in this course:

Communicating and Effectively Engaging an Audience (Writing, Verbally, Visually)
Demonstrating Cross cultural and Bilingual Competence
Thinking both Critically and Creatively
Demonstrating Resilience and Solving Problems
Displaying Effective Interpersonal Behaviour whilst Working Independently and in Teams
Reflecting on Performance and Personal Learning

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnora | Perseverance - Manawanui | Excellence - Hiranga



Curriculum choices for 2019 – NCEA Level 2

Organising Effectively and Displaying Digital Competence

Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Give a 2 - 3 minute spoken presentation in German	4	91125	Internal	N	N
Interact in German with your teacher and/or peers (4 mins over 2 recordings)	5	91124	Internal	N	N
Portfolio of writing (2 pieces) of 400 words minimum	5	91127	Internal	N	N
Listening Comprehension	5	91123	External	N	N
Reading Comprehension	5	91126	External	N	N

Course costs:
NIL

Further study from this course:
Further study at Level 3.

Potential careers that value learning and skills from this course:

There are many employment pathways open to you because of learning a language. Obvious jobs such as translator, interpreter or teacher are only a few. There is much research that demonstrates that employers really value the transferable skills that you bring because of learning languages, even if they don't need you to speak a language.

Many companies have suggested that having a second language gives you the competitive edge and a USP (Unique Selling point) over other candidates. It is an unusual qualification that employers respect and that makes you look intelligent. Statistics show that you can also earn more than average if you have a second language.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



History

For further information please see Alastair Campbell alastair.campbell@obhs.school.nz



"Fellow citizens, we cannot escape History"

Abraham Lincoln

NCEA Level 2 / Course code: 12HIS

Entry information:

- Continuing students must have a minimum of 12 Level 1 credits in History, including at least one of either AS 91003 or 91005.
- New students to History who gained NCEA Level 1 including at least one English external are most welcome. Please seek approval from Mr Campbell.

Topics and contexts studied could include:

- Assassination of JFK
- Significant battles of the New Zealand Wars
- US involvement in Vietnam
- Weimar and Nazi Germany

Useful 21st Century skills and competencies you will learn in this course:

- critical reasoning and analytical skills, including the capacity for solving problems and thinking creatively
- intellectual rigour and independence, including the ability to conduct detailed research
- ability to construct an argument and communicate findings in a clear and persuasive manner, both orally and in writing
- capability to work without direct supervision and manage time and priorities effectively
- ability to discuss ideas in groups, and to negotiate, question and summarise
- capacity to think objectively and approach problems and new situations with an open mind
- understanding of the different factors that influence the activities of groups and individuals in society.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards UE reading	Counts towards UE writing
Carry out a planned inquiry of an historical event, or place	4	91229	Internal	Y	N
Examine an historical event, or place, of significance	5	91230	Internal	Y	N
Examine sources of an historical event of significance	4	91231	External	Y	Y
Interpret different perspectives of people in an historical event	5	91232	Internal	Y	N
Examine causes and consequences of a significant historical event	5	91233	External	Y	Y
Examine how a significant historical event affected New Zealand society	5	91234	External	Y	Y

Course costs:

\$30 – Senior History Skills Workbook

Further study from this course:

Within school

- Level 3 and Scholarship History.

After school

- Higher education including law, business, politics, international relations and policy.

Potential careers that value learning and skills form this course:

Employers of history students include:

- armed forces
- accountancy firms
- banks
- higher education institutions
- law firms
- management consultancies
- non-governmental organisations
- publishing
- schools
- state services

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga



Curriculum choices for 2019 – NCEA Level 2

Year 12 Mathematics and Statistics

For further information please see Richard Roe richard.roe@obhs.school.nz or Mark Hooper mark.hooper@obhs.school.nz



“Life it is not just a series of calculations and a sum total of statistics, it's about experience, it's about participation, it is something more complex and more interesting than what is obvious”. Daniel Libeskind

NCEA Level 2 / Course code: 12MASC (Calculus course)

Entry information:

It is expected that students will have achieved at least one of 1.2 (Algebra) and 1.3 (Graphing) with Merit or Excellence and have achieved NCEA Level 1 Mathematics and Statistics with a Merit or Excellence endorsement and/or teacher recommendations.

Topics and contexts studied in this course:

Algebra, graphing, calculus, probability.

Useful 21st Century skills and competencies you will learn in this course:

This course has a high computational component, with a major emphasis on algebraic thinking and skills. It is intended that students gain an ability to manipulate algebraic expressions and understand logical mathematical communication.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Apply graphical methods in solving problems	4	91257	Internal	N	N
Apply sequences and series in solving problems	2	91258	Internal	N	N
Apply trigonometric relationships in solving problems	3	91259	Internal	N	N
Apply algebraic methods in solving problems	4	91261	External	N	N
Apply calculus methods in solving problems	5	91262	External	N	N
Use statistical methods to make an inference	4	91264	Internal	N	N
Apply probability methods in solving problems	4	91267	External	N	N
Apply systems of equations in solving problems	2	91269	Internal	N	N

Course costs:

\$20 for write-on booklets supplied by the Mathematics and Statistics Department.
A graphics calculator, costing approximately \$120.

Further study from this course:

This course will lead to Level 3 Calculus, Level 3 Statistics or Level 3 Mathematics. It provides appropriate Achievement Standards for entry into many university polytechnic courses and apprenticeships.

Potential careers that value learning and skills from this course:

Science, technology, information technology, health, engineering, surveying, education.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



NCEA Level 2 / Course code: 12MAS

Entry information:

Students must have a minimum of 10 Level 1 Mathematics and Statistics credits. Students may not repeat this course.

Topics and contexts studied in this course:

Geometry, Statistics, Probability, Networks, Trigonometry.

Useful 21st Century skills and competencies you will learn in this course:

The course will have an emphasis on building base understanding across the core areas of Mathematics and Statistics. Learning will be relevant and engaging. Students will develop their ability to make informed decisions based on different styles of data and also look at general mathematical skills useful in project management, engineering, building, among other careers.

Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Apply coordinate geometry methods in solving problems	2	91256	Internal	N	N
Apply sequences and series in solving problems	2	91258	Internal	N	N
Apply trigonometric relationships in solving problems	3	91259	Internal	N	N
Use networks in solving problems	2	91260	Internal	N	N
Design a questionnaire	3	91263	Internal	N	N
Use statistical methods to make an inference	4	91264	Internal	N	N
Conduct an experiment to investigate a situation	3	91265	Internal	N	N
Apply probability methods in solving problems	4	91267	External	N	N
Investigate a situation using a simulation	2	91268	Internal	N	N

Course costs:

\$20 for write-on booklets supplied by the Mathematics Department.

A graphics calculator, costing approximately \$120.

Further study from this course:

This course can lead to Level 3 Mathematics or Statistics

Potential careers that value learning and skills from this course:

This course will complement all forms of tertiary study. It provides appropriate Achievement Standards for entry into many polytechnic courses and apprenticeships.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



NCEA Level 2 / Course code: 12MASS (Statistics course)

Entry information:

Students will have a minimum of 14 Level 1 Mathematics and Statistics credits and/or teacher recommendations.

Topics and contexts studied in this course:

Inference, probability, experimental design, questionnaire design, simulation, time series.

Useful 21st Century skills and competencies you will learn in this course:

The course is strongly focussed on statistical literacy, empowering students to be informed citizens in an increasingly data driven world. Students will develop their ability to make informed decisions based on different styles of data.

Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards UE reading	Counts towards UE writing
Apply trigonometric relationships in solving problems	3	91259	Internal	N	N
Use networks in solving problems	2	91260	Internal	N	N
Design a questionnaire	3	91263	Internal	N	N
Use statistical methods to make an inference	4	91264	Internal	N	N
Conduct an experiment to investigate a situation	3	91265	Internal	N	N
Apply probability methods in solving problems	4	91267	External	N	N
Investigate a situation using a simulation	2	91268	Internal	N	N
Determine the trend for time series data	4 (L3)	91580	Internal	N	N
Conduct an experiment to investigate a situation using experimental design principles	4 (L3)	91583	Internal	N	N

Course costs:

\$20 for write-on booklets supplied by the Mathematics Department.

A graphics calculator, costing approximately \$120.

Further study from this course:

This course leads to Level 3 Statistics and Level 3 Mathematics. It provides appropriate Achievement Standards for entry into many university and polytechnic courses and also apprenticeships.

Potential careers that value learning and skills from this course:

Science, technology, information technology, arts, insurance industry, government departments, any career that requires critical thinking and/or report writing.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Media Studies

For further information please see Mr Gabbusch tony.gabbusch@obhs.school.nz



“Horror? It’s the genre that will never die....” George A. Romero

NCEA Level 2 / Course code: 12MST

Entry information:

All students are welcome to try this subject. Please be aware that you will be writing essays and completing practice exams as part of the course, as well as creating your own media products. Having passed achievement standards in level 1 English that required you to write essays will be a helpful skill at this level. Being familiar with movie making hardware and editing software are useful skills.

Topics and contexts studied in this course:

The theme for this year is ‘Horror Movies’.

We look at how and why the media we view and hear is an important part of how and why we, as individuals and as a society develop our values and attitudes. We also look at the forces that shape and change how media present ideas to us as an audience.

You will need to plan a short movie, and then create the movie. Having your own laptop is a definite advantage, as it allows you the freedom to create a product at your own pace.

Useful 21st Century skills and competencies you will learn in this course:

Critical thinking, interpretation and analysis skills
Structuring and managing time and resources (logistics)
Digital image manipulation

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Demonstrate understanding of the relationship between a media product and its audience	3	91248	External	Y	N
Demonstrate understanding of narrative in media texts	4	91249	Internal	Y	N
Demonstrate understanding of representation in the media	3	91250	Internal	Y	N
Demonstrate understanding of an aspect of a media genre	4	91251	External	Y	N
Produce a design and plan for a developed media product using a range of conventions	4	91252	Internal	Y	N
Complete a developed media product from a design and plan using a range of conventions	6	91253	Internal	Y	N
Demonstrate understanding of an ethical issue in the media	3	91254	Internal	Y	N
Write developed media text for a specific target audience	3	91255	Internal	Y	N

Course costs:

Scrap Book; approximately \$4.00

SD Card (8GB, class 10); approximately \$20.00

Further study from this course:

Level 3 Media Studies

Potential careers that value learning and skills from this course:

Media production, television, radio, film/television, gaming/app design, journalism, public relations and other creative industries.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Workshop Technology Metal

For further information please see Mr Densem greg.densem@obhs.school.nz



*“Science is about knowing;
engineering is about doing.”*

NCEA Level 2 / Course code: 12WTM

Entry information:

Level 1 Workshop Technology Metal with 14 credits gained minimum for automatic course acceptance. Students without the prior experience are welcome if they have good intentions and a desire to achieve quality results. These boys will need to consult with the ‘Teacher in charge’ and may be accepted on a trial basis to ensure commitment to achievement.

Topics and contexts studied in this course:

- Brief development
- Prototype design
- Prototype construction

Useful 21st Century skills and competencies you will learn in this course:

- Workshop safety
- Use and care of engineering tools and machinery
- Design process
- Problem solving
- Fitting and turning skills
- Welding skills

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E. Literacy	Counts towards U.E. Numeracy
Undertake effective development to make and trial a prototype	6	91357	Internal	N	N
Implement advanced procedures using resistant materials	6	91344	Internal	N	N
Select, use and maintain portable handheld power tools	4	2396	Internal	N	N
Use and care for engineering hand tools	4	2395	Internal	N	N

Course costs:

A base fee of \$90 is included in the school fees to cover the cost of “standard” metal and other consumable items such as paints (excluding spray), abrasives, gases and welding supplies etc. Additional items such as hinges, handles, catches, timber, upholstery and any other special materials or components must be sourced and supplied by the student.

Further study from this course:

Within school, the subject is available at Level 3 (Year 13).

Polytechnic

Apprenticeship

Potential careers that value learning and skills from this course:

The skills gathered can be applied to many potential occupations such as: Fabrication, refrigeration and air conditioning, general engineering, tool-making, gun smithing, fitting and machining, maintenance engineering, lock smithing, plus many others Trades.

It is also a good launching pad for tertiary study (especially design or Engineering).

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2

Music

For further information please see Konrad Hanson konrad.hanson@obhs.school.nz



“Where words fail, music speaks.”
Hans Christian Andersen

NCEA Level 2 / Course code: 12MUS

Entry information:

This course is ideally entered having completed Level 1 Music with at least 14 credits. Ability to perform on an instrument or as a vocalist is necessary, and it is recommended that students take instrumental tuition.

Topics and contexts studied in this course:

- Performance
- Music Technology
- Theory
- Various Genres depending on individual interests
- Composition/Songwriting

Useful 21st Century skills and competencies you will learn in this course:

- Creative Thinking
- Confidence in performing and speaking to an audience
- Research Skills
- Self-management
- Collaboration

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E. reading	Counts towards U.E. Writing
Perform two substantial pieces of music as a featured soloist.	6	AS91270	Internal	N	N
Perform a substantial piece of music as a featured soloist on a second instrument.	3	AS91274	Internal	N	N
Demonstrate ensemble skills by performing in a group.	4	AS91272	Internal	N	N
Compose two substantial pieces of music.	6	AS91271	Internal	N	N
Demonstrate aural understanding through written representation.	4	AS91275	External	N	N
Demonstrate knowledge of conventions in a range of music scores.	4	AS91276	External	N	N
Demonstrate understanding of two substantial contrasting music works.	6	AS91277	External	N	N
Devise an instrumentation for an ensemble.	4	AS91273	Internal	N	N
Investigate an aspect of New Zealand music.	4	AS91278	Internal	N	N

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga



Curriculum choices for 2019 – NCEA Level 2

Course costs:

Purchase/Hire of Instrument/Tuition Fees as applicable

Further study from this course:

Music at university, MAINZ, SIT, Ara Institute of Canterbury

Potential careers that value learning and skills form this course:

- Musician, accompanist
- Music Production
- Composer, songwriter, arranger, film scorer
- Education
- Collaboration, communication, and creativity serve you well in a variety of fields.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2

Physical Education (Offers 3 courses)

For further information please see Michael McGarry mike.mcgarry@obhs.school.nz



“The only limitation is the one you put on yourself”

NCEA Level 2 / Course code: 12PED

Entry information:

Level 1 applied Physical Education

Topics and contexts studied in this course:

This 23 credit course is practically based with an emphasis on the social development of the student and the positive effect that exercise can have on their lifestyle and well-being. The students will participate in a range of physical activities.

Useful 21st Century skills and competencies you will learn in this course:

Further development of skills of communication, interpersonal skills and self-management.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Explain how biophysical principles relate to the learning of physical skills.	5	91328	Internal	N	N
Apply biophysical principles to training for physical activity and explain the application.	4	91329	Internal	N	N
Perform a physical activity to achievement level of the Physical Education Performance Standards for Level 2, in an applied setting.	4	91330	Internal	N	N
Explain the significance for self, others and society of a sporting event, physical activity, or festival.	4	91331	Internal	N	N
Explain the application of risk management strategies to a challenging outdoor activity.	3	91333	Internal	N	N
Examine the implementation and outcome(s) of a physical activity event or opportunity	3	91335	internal	N	N

Course costs:

NIL

Further study from this course:

Level 3 Physical Education

Potential careers that value learning and skills form this course:

Ever expanding Health and Fitness industry.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Applied Physical Education

For further information please see Michael McGarry mike.mcgarry@obhs.school.nz

NCEA Level 2 / Course code: 12APP

Entry information:

None

Topics and contexts studied in this course:

This 15 credit course is practically based with an emphasis on player performance by building an environment “off the field” which enhances players’ “on-field” performance. The course will use sport as a context to develop life skills for success.

Specifically, the intention is for the students involved to further develop self-discipline, team work, individual responsibility, having exposure to competitive situations, making appropriate lifestyle choices, and to enhance their levels of personal fitness through personal training.

Useful 21st Century skills and competencies you will learn in this course:

The course will also focus on the social development of the student and the positive effect that exercise can have on their lifestyle and well-being. The students will participate in a range of physical activities related to the fitness systems in their selected sport.

Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Explain the application of risk management strategies to a challenging outdoor activity.	3	91333	Internal	N	N
Apply biophysical principles to training for physical activity and explain the application.	4	91329	Internal	N	N
Explain the significance for self, others and society of a sporting event, physical activity, or festival. Pilates	4	91331	Internal	N	N
Perform a physical activity to achievement level of the Physical Education Performance Standards for Level 2, in an applied setting.	4	91330	Internal	N	N

Course costs:

There is a High-Performance Sport fee of \$100 and would prefer the boys purchased the new house singlet or shirt for practical sessions.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Outdoor Education

For further information please see Michael McGarry mike.mcgarry@obhs.school.nz



“Being successful is about ability, attitude and application in equal amounts”

NCEA Level 2 / Course code: 12ODR

Entry information:

None

Topics and contexts studied in this course:

It will be based in and around the local Dunedin area as well as some trips. There will be a focus on theory and practical work with and emphasis on Risk management, planning and evaluation of activities. This course will involve extra cost as it will require the use of specialized instruction, transport and time away. Activities could include, tramping, rock climbing, snow caving, diving, surfing, mountain biking and ice hockey. Assessment details are based upon student interest.

Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Perform a physical activity to achievement level of the Physical Education Performance Standards for Level 2, in an applied setting.	4	91330	Internal	N	N
Explain the application of risk management strategies to a challenging outdoor activity.	3	91333	Internal	N	N
Explain the significance for self, others and society of a sporting event, physical activity, or festival. Winter festival	4	91331	Internal	N	N

Course costs:

Each activity undertaken will have a set cost attached and these will be outlined to students at the start of 2019.

Further study from this course:

Level 3 outdoor education

Potential careers that value learning and skills form this course:

Outdoor Education courses at University and Polytechnic. Tourism opportunities.

Vision: Best for Boys Through the Right Learning

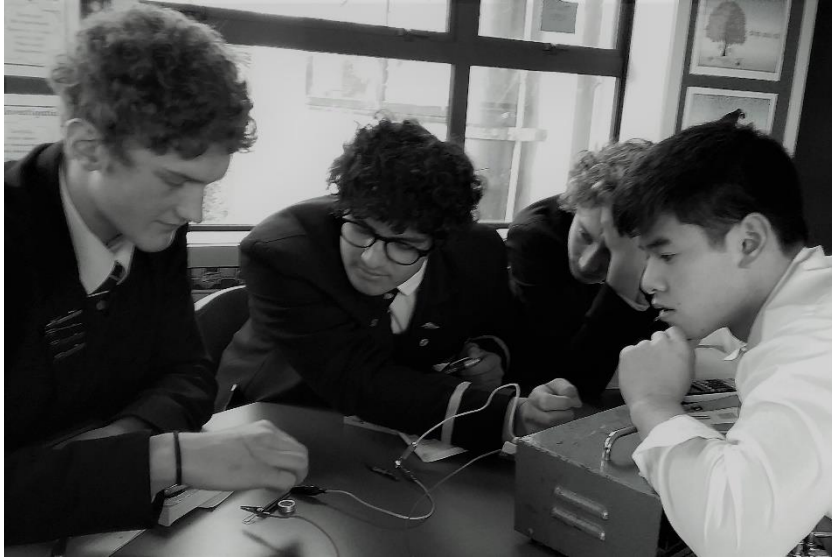
Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Physics

For further information please see Mary Rabbidge mary.rabbidge@obhs.school.nz



“There is nothing more wonderful than being a scientist, nowhere I would rather be than in my lab, staining up my clothes and getting paid to play.”
Marie Curie

NCEA Level 2 / Course code: 12PHY

Entry information:

Students should have at least Achieved in Science 1.1 Mechanics as well as sound graphing and algebra skills from NCEA Level 1 Mathematics.

Topics and contexts studied in this course:

Carrying out practical investigations of everyday physics, how physics relates to sport and motion, electricity and magnetism, atomic and nuclear physics.

Useful 21st Century skills and competencies you will learn in this course:

Explaining physical phenomena, applying mathematical skills to physical situations, collecting and graphing data, using device apps to take and analyse measurements, writing scientific reports, numeracy, problem solving.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Practical Investigation	4	91168	Internal	N	N
Forces and Motion	6	91171	External	N	N
Electricity and Electromagnetism	6	91173	External	N	N
Physics of Sport	3	91169	Internal	N	N
Atomic and Nuclear Physics	3	91172	Internal	N	N

Course costs:

Scipad workbooks - Internal standards and External standards available for purchase together: \$25.

Further study from this course:

This course is a prerequisite for Year 13 Physics and also provides a solid base for many tertiary physics and physics-related courses.

Potential careers that value learning and skills form this course:

Medicine, Astrophysics, Energy Management, Engineering, Architecture, Geophysics, Meteorology, Software engineering, Computer engineering, Research, Project Management, Army, Navy, Air Force.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2

Te Reo Māori

For further information please see Mr Te Ngahue mac.tengahue@obhs.school.nz



**Whāia te iti kahurangi ki te tūohu koe
me he maunga teitei'**

*Seek the treasure you value most dearly:
if you bow your head, let it be to a lofty
mountain*

This whakatauki is about aiming high or
for what is truly valuable, but it's real
message is to be persistent and don't let
obstacles stop you from reaching your
goal

NCEA Level 2 / Course code: 12MAO

Entry information:

A minimum of eighteen credits in NCEA Level One Te Reo Māori.

Topics and contexts studied in this course:

The course continues to develop the skills of Whakarongo, Tuhituhi, Panui and Korero. The course covers a variety of topics which change each year. Some of these topics include Maori events, personal hopes and aspirations for the future, myths and legends. The course aims to further develop what has been previously learnt.

Useful 21st Century skills and competencies you will learn in this course:

Collaboration and teamwork, Creativity and imagination, Critical thinking, Problem solving, Global and cultural awareness, Information literacy, Leadership, Oral and written communication skills, Social responsibility and ethics, Technology literacy, Initiative.

This program is designed to ensure the above skills are taught and utilised in our classes to ensure our boys have a wide understanding of the world and their place in it.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Whakarongo kia mōhio ki te reo o te ao torotoro	4	91284	Internal	N	N
Kōrero kia whakamahi i te reo o te ao torotoro	6	91285	Internal	N	N
Pānui kia mōhio ki te reo o te ao torotoro	6	91286	External	Y	N
Tuhi i te reo o te ao torotoro	6	91287	External	N	Y
Waihanga tuhinga auaha, i te reo o te ao torotoro	6	91288	Internal	N	Y

Course costs:

NIL

Further study from this course:

Te Reo Māori 3 (Year 13).

Potential careers that value learning and skills from this course:

An ability to speak and understand the Māori language is a desirable skill in many employment areas, especially those that work with Māori or require employees who have a cross-cultural awareness. Possible careers include Maori language teacher, health professional, educator, journalist, broadcaster, professional in a government department, historian, lecturer, librarian, teacher, lawyer, police officer, tourism operator, curator, actor, advertising, anthropologist, archaeologist, and archivist.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2

Workshop Technology Wood

For further information please see Mr Odgers peter.odgers@obhs.school.nz



“The real problem is not whether machines think but whether men do.” B.F. Skinner

NCEA Level 2 / Course code: 12WTW

Entry information:

Students must have successfully completed a Level 1 course in Workshop Technology Wood.

Topics and contexts studied in this course:

Students design and construct a table of their choice using hand tools and machines. Their designs can be enhanced by the use of the CNC router, lathe turning or other decorative processes.
Design and machine related topics

Useful 21st Century skills and competencies you will learn in this course:

Problem solving, creativity, eye-hand co-ordination, neatness, accuracy, social skills, self confidence

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Assessments of learning from the course content will be an appropriate and personalised selection from the list below

Topic of learning	Credits	Achievement standard number	Mode of assessment – External (November) or Internal (through the school year)	Counts towards U.E reading	Counts towards U.E writing
Brief Development	4	A/S 91354	Internal	N	N
Implement advanced procedures	6	A/S 91344	Internal	N	N
Construct free hand drawings	2	U/S 14995	Internal	N	N
Set and operate a band saw	3	U/S 25536	Internal	N	N
Wood turning	4	U/S 20047	Internal	N	N
Portable power tools	4	U/S 16232	Internal	N	N

Course costs:

\$90 which includes all Macrocarpa timber. It does not include other types of timber and materials such as glass, steel etc.

Further study from this course:

Level 3 Workshop Technology Wood
Pre-trade courses at Polytech

Potential careers that value learning and skills form this course:

All trade related careers

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Vocational Pathways in 2019

The Vocational Pathways provide new ways to structure and achieve NCEA Level 2, the foundation for successful transitions to further education and work. They enable students to see how their learning is relevant for a wide range of jobs and study options in six broad sectors of industry:

Manufacturing and Technology;

Construction and Infrastructure;

Primary Industries;

Social and Community Services

Services Industries;

Creative Industries.

The Vocational Pathways have been developed through a partnership between industry and employer representatives, the industry training sector, secondary and tertiary education providers and government agencies. They will play an increasingly important part of what shape NCEA qualifications look like at Otago Boys' High School.



To gain a **Vocational Pathways Award** students must achieve Level 2 by:

- Meeting the **NCEA Level 1 Literacy and Numeracy** Requirements
- Gaining **at least 20 credits** from the **Level 2 sector standards** for a particular vocational pathway
- **gaining another 40** credits from the **Level 2 standards recommended** for a particular vocational pathway

The following tables provide information for Level 2 students in 2018 as to how their NCEA Level 2 qualification can be structured with the Vocational Pathways in mind, as well as an indication of the types of careers it can lead to.

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Vocational Pathways at OBHS Level 2

	Construction and Infrastructure	Primary Industries	Social & Community Services	Manufacturing and Technology	Service Industries	Creative Industries
Accounting					8 recommended credits	23 recommended credits
Agriculture		20 sector credits				16 sector credits
Art						16 sector credits
Biology		19 recommended credits	12 recommended credits			
Catering		5 recommended credits	4 sector credits 10 recommended credits		8 sector credits 14 recommended credits	
Chemistry	22 recommended credits	22 recommended credits	22 recommended credits	22 recommended credits	4 recommended credits	22 recommended credits
Digital Technology	12 recommended credits	12 recommended credits	3 recommended credits	19 sector credits 12 recommended credits	16 recommended credits	12 recommended credits
Earth and Space Science	24 recommended credits					
Economics		4 recommended credits	6 recommended credits		18 recommended credits	22 recommended credits
English	25 recommended credits	25 recommended credits	17 recommended credits		25 recommended credits	25 recommended credits
English Communication	7 recommended credits	13 recommended credits	10 recommended credits		7 recommended credits	6 sector credits 10 recommended credits
French					10 recommended credits	10 recommended credits

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Geography	4 recommended credits	11 recommended credits	3 recommended credits		23 recommended credits	12 recommended credits
German					10 recommended credits	10 recommended credits
Design and Visual Communication	26 sector credits	7 recommended credits		7 sector credits 19 recommended credits	7 recommended credits	29 sector credits
History					9 recommended credits	23 recommended credits
Mathematics (1)	16 recommended credits	21 recommended credits	8 recommended credits	16 recommended credits	12 recommended credits	24 recommended credits
Mathematics (2)	11 recommended credits	16 recommended credits	12 recommended credits	9 recommended credits	8 recommended credits	23 recommended credits
Mathematics (3)	9 recommended credits	13 recommended credits	13 recommended credits	7 recommended credits	7 recommended credits	18 recommended credits
Media Studies						21 sector credits
Metal Product Design	10 recommended credits	18 recommended credits		17 sector credits 4 recommended credits		10 sector credits
Music						35 sector credits
Outdoor Education					4 recommended credits	13 recommended credits
Physical Education			10 recommended credits		23 recommended credits	23 recommended credits
Physics	26 recommended credits	19 recommended credits	26 recommended credits	26 recommended credits		26 recommended credits
Sports Studies			4 recommended credits		12 recommended credits	12 recommended credits
Te Reo Maori		28 recommended credits	28 recommended credits		28 recommended credits	28 recommended credits
Wood Technology	18 sector credits 6 recommended credits	6 recommended credits		17 sector credits		12 sector credits 2 recommended credits

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Possible Career Paths linked to Vocational Pathways

Construction and Infrastructure	Primary Industries	Social & Community Services	Manufacturing and Technology	Service Industries	Creative Industries
Air Traffic Controller Architect Boat Builder Bricklayer Building Contractor Building Inspector Cabinet Maker Caretaker Carpenter Civil Engineer Concrete Worker Construction Manager Crane Operator Draughtsperson Diver Driller Electrician Environmental Engineer Floor and Wall Tiler	Agricultural Technician Agricultural Scientist Animal Attendant Aquaculture Farmer Arborist Beekeeper Biochemist Biosecurity Officer Biotechnologist Crop / Dairy Farmer Dairy Products Maker Dog Trainer Energy Auditor Environmental Engineer Environmental Scientist Farm Worker Fencer Fishery Officer Fishing Skipper	Air Force Serviceman Ambulance Officer Anaesthetist Animal Attendant Audiologist Biomedical Engineer Biosecurity Officer Building Inspector Chiropractor Community Worker Corrections Officer Conservator Counsellor Customs Officer Curator Dental Technician Dentist Dietitian Early Childhood Teacher	Aeronautical Engineer Aircraft Maintenance Engineer Architect Automotive Electrician Automotive Mechanic Baker Biochemist Biomedical Engineer Boat Builder Brewer Butcher Cabinet Maker Chemical Engineer Chemist Civil Engineer Clothing Designer Clothing Marker/Cutter	Accountant Accounts Officer Actuary Administration Officer Advertising Specialist Air Force Serviceman Army Serviceman Auctioneer Bank Worker Barrister Beauty Therapist Bus Driver Café Worker Carpet Cleaner Cashier Chef Chemist Courier Data Entry Operator	Actor Advertising Specialist Animator Architect Architectural Technician Archivist Art Director Artist Artistic Director Author Beauty Therapist Boat Designer Body Artist Camera Operator Clothing Designer Clothing Pattern Maker Conservator Copywriter Curator

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | Courage - Toa | Honour - Hōnore | Perseverance - Manawanui | Excellence - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Floor Covering Installer	Food Technologist	Environmental Scientist	Computer Systems Technician	Dietician	Dancer
Fork-lift Operator	Forestry Worker	Firefighter	Dairy Products Maker	Driver	Director
General Labourer	Gardner	Foreign Policy Officer	Database/Systems Administrator	Dry-Cleaner	Dressmaker
Glazier	General Labourer	Forensic Scientist	Electrical Engineer	Economist	Editor
Interior Designer	Geologist	General Practitioner	Food and Beverage maker	Events Manager	Events Manager
Joiner	Geophysicist	Health and Safety Inspector	Factory Worker	Financial Advisor	Exhibition Technician
Landscape Architect	Groundsperson	Immigration Officer	Furniture Finisher	Fitness Instructor	Film and Video Editor
List Technician	Horse Trainer	Interpreter	Game Developer	Flight Attendant	Florist
Locksmith	Horticultural Scientist	Laboratory Technician	Glass Processor	Funeral Director	Game Developer
Metal Worker	Hunter/Trapper	Lecturer	Industrial Designer	Graphic Designer	Graphic Designer
Miner	Landscape Architect	Librarian	Jeweller	Hairdresser	Hairdresser
Mining Engineer	Landscape Gardner	Medical Technician	Joiner	Historian	Industrial Designer
Painter and Decorator	Marine Biologist	Midwife	Marine Engineer	Insurance Agent	Interior Designer
Plasterer	Meat Inspector	Minister	Meat Inspector	Jeweller	Jeweller
Plumber and Gasfitter	Meat Process Worker	Nanny	Mechanical Engineer	Journalist	Journalist
Project Manager	Microbiologist	Navy Serviceman	Panelbeater	Kitchenhand	Landscape Artist
Property Manager	Nursery Grower	Nurse	Picture Framer	Lawyer	Lighting Technician
Quantity Surveyor	Packhouse Worker	Occupational Therapist	Plastics Worker	Meteorologist	Make up artist
Quarry Worker	Production Manager	Optometrist	Printer	Mortgage Broker	Media Producer
Roading Construction Worker	Pulp and Paper Mill Operator	Osteopath	Programmer	Navy Serviceman	Musician
Roofer	Quarantine Inspector	Parking Warden	Refrigeration/Air-conditioning Technician	Outdoor Guide/Instructor	Photographer
Rubbish Collector	Saw Doctor	Pathologist	Science Technician	Panelbeater	Public Relations
Scaffolder	Science Technician	Pharmacist	Software Architect	Payroll Officer	Consultant
Stonemason	Seafood Process Worker	Physiologist	Supply Officer	Pharmacist	Radio Presenter
Survey Technician	Shearer	Physiotherapist	Telecommunications Technician	Physicist	Screen Printer
Surveyor	Stock and Station Agent	Podiatrist		Picture Framer	Sewing Machinist
Waste Treatment Operator	Veterinarian	Police Officer		Pilot	Signwriter
	Veterinary Nurse	Policy Analyst		Production Assistant	Sound Technician
				Professional Sportsperson	Stonemason

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Water Treatment Operator Welder	Winemaker Wood Processing Worker	Probation Officer Psychiatrist Psychologist Quarantine Inspector Radiation Therapist Radiologist Security Officer Statistician Surgeon Teacher Translator Urban Planner Veterinarian Veterinary Nurse Youth Worker Zoo Keeper Zoologist	Technical Writer Toolmaker Vehicle Body Builder Vehicle Painter Watchmaker Web Developer Winemaker	Project Manager Property Manager Real Estate Agent Receptionist Records Adviser Recreation Co-ordinator Recruitment Consultant Retail Manager Sales Representative Secretary Solicitor Sports Coach Statistician Stevedore Tour Guide Travel Agent Valuer Workplace Relations Adviser	Tailor Television Presenter Upholsterer Web Developer
---------------------------------------	-------------------------------------	---	--	---	--

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga



Curriculum choices for 2019 – NCEA Level 2

Notes/questions I may have for teachers/deans

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2

Highly recommended websites

<http://www.youthguarantee.net.nz/start-your-journey/>



Youth Guarantee initiatives are about improving the transition from school to further study, work or training. They provide a wider range of learning opportunities, make better use of the education network, and clarify pathways from school.

About



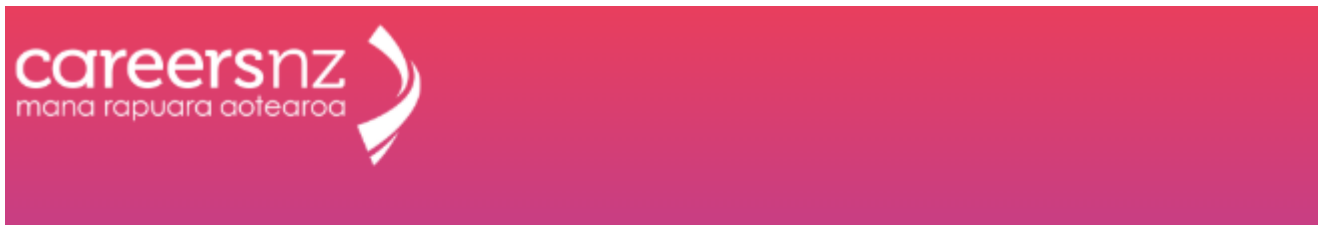
STUDENTS KEY INFO.

GET QUALS & SKILLS VALUED BY EMPLOYERS

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

<http://www.careers.govt.nz/>



Jobs database

Explore 400+ jobs

Courses

Browse study and training options

<http://www.justthejob.co.nz/>

Just the Job

New Zealand's career seekers video website



Welcome to Just the Job!

Easy to Find Videos

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga

Curriculum choices for 2019 – NCEA Level 2



Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga



**The best career advice I've
gotten is to stay focused,
keep moving forward.**

Tyga

Vision: Best for Boys Through the Right Learning

Respect - Whakaute | **Courage** - Toa | **Honour** - Hōnore | **Perseverance** - Manawanui | **Excellence** - Hiranga