Otago Boys' High School

Course selection for 2023

NCEA Level 2

Contents

Kia ora 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 12 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 2023 **- You may wish to ask advice from the following staff**

Guidance Counsellors	Mr Wither, Mr Howey
Careers Advisors	Mr Swan and Ms Irving

Students who wish to study a subject at a higher level should discuss this with:

Mr Campbell, Dean of Accelerated Learning alastair.campbell@obhs.school.nz

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 at OBHS. Entry to such courses requires a rigorous process and only a small number of students will be admitted each year. 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 2023

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 2023. 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. This also applies to Outdoor Education combining with either of the P.E. subjects.

We are expecting workshop numbers to be very tight in 2023. Boys may choose either Workshop Technology Metal or Workshop Technology Wood, not both. Priority will be given to boys who have previous experience in these subject areas.

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 Level 2 with Excellence. If you get 50 or more credits at Merit (or a mix of Merit and Excellence), you will earn NCEA Level 2 with Merit.

Course endorsements 2023

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.

How to make your subject choices

From the evening of Thursday 15 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 Wednesday, 28 September**

When you click on Course Selection you will see a screen that looks like this:

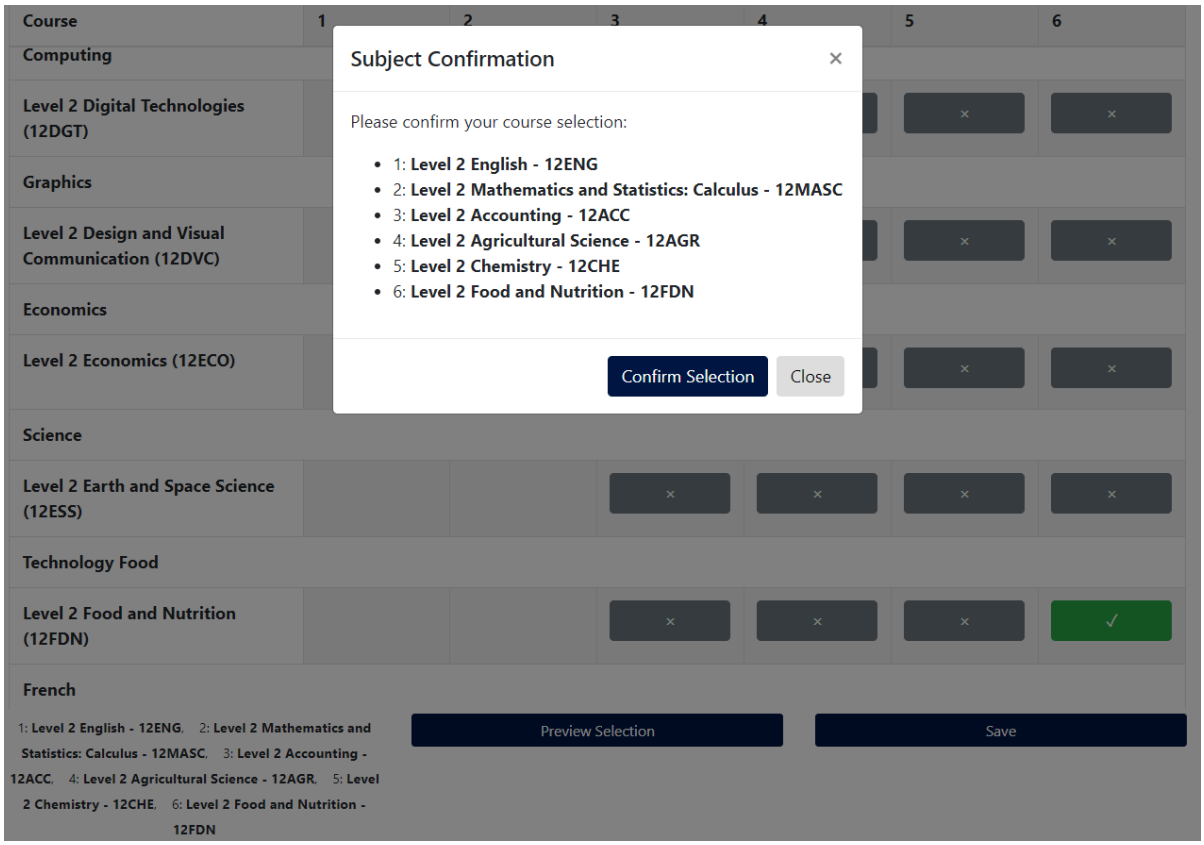
You must make 6 course selections in total. (There are some exceptions to this such as those students being accelerated in Mathematics or those doing a course through Correspondence School.) As you can see from the screenshot above in column 1 you can only select English. In column 2 you can only select one of the Mathematics and Statistics based courses. Whilst these are not compulsory subjects you are strongly advised to pick both to keep doors open for career and study pathways beyond Year 13.

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.

DEADLINE FOR MAKING SUBJECT SELECTION IS

WEDNESDAY, 28 SEPTEMBER

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”.



If you change your mind before the deadline please submit another round of choices and please inform Ms Gorman by email (anne.gorman@obhs.school.nz) . We are always here to help and advise. Please do not be afraid to email over the next few days or leave a message on the phone.

Accounting

For further information, please see or contact Mr Brian Ashwin – brian.ashwin@obhs.school.nz

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 provides students with foundation knowledge of the principles, processes and reporting functions of Accounting. Information, numeracy, communication and problem-solving skills are developed in Accounting.

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 work books

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 from 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 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.

Agricultural and Horticultural Science

For further information please see or contact Mr Tim Ashdown - tim.ashdown@obhs.school.nz

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.

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
Advanced Plant Reproduction	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
Livestock Management	4	91294	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 would be helped by doing this course

Visual Art

For further information please see or contact Ms Anna Ward – anna.ward@obhs.school.nz

NCEA Level 2 / Course code: 12ART

Entry information: This course is best undertaken following a year of attaining a minimum of 12 Credits in Level 1 Art. However, students can be accepted upon the presentation of a personal collection of artworks that reflects enthusiasm and some ability.

Topics and contexts studied in this course: Visual Art at Level 2 begins to develop the student's own personal art making approach in the field of Painting. Assessment focuses on a student's practical knowledge, idea development and creative thinking, with the guidance of teacher and student selected artist models. Developing ideas and concepts around subject matter, students produce a two-panel portfolio of artwork.

Useful 21st Century skills and competencies you will learn in this course:
Critical thinking, initiative, flexibility, creativity, media literacy, communication are just some of the skills developed in the creative field of Visual Art.

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
Use drawing methods to apply knowledge of conventions 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

Course costs: The fee is $90. This includes but is not limited to the following items: Sketchbook, set of A2 paints, watercolour paints, 6 brushes, 4 pencils, erasers, a mixture of weighted papers, canvas paper, tape, folio boards and Adobe Photoshop.

Further study from this course: NCEA Level 3 Visual Art. With Level 2 and a portfolio of evidence showing skill in the field of Visual Art, some students may gain access into a Foundation Arts course at Polytechnic.

Potential careers that value learning and skills from this course: Visual Art skills are a unique blend, and therefore transferrable to a wide range of jobs outside the field of Visual Art. Some possible avenues are television, arts heritage, illustration, marketing, advertising, product design, packaging, fashion, photography, tattoo artist, animator, gaming and web development.

Biology

For further information please see or contact Mr Kent Twaites – kent.twaites@obhs.school.nz

NCEA Level 2 / Course code: 12BIO

Entry information: Success in Level 1 Sciences leads well to Level 2 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. It also encourages them 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.

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
An enzyme investigation	4	91153	Internal	N	N
Investigating sports drinks and the validity of biological information	3	91154	Internal	N	N
Animal adaptations, The Tibetans	3	91155	Internal	N	N
Cell biology	4	91156	External	N	N
Genetic variation and change	4	91157	External	N	N
Material at the microscopic level	3	91160	Internal	N	N

Course costs: SciPad Workbook $32

Further Studies from this course: Level 3 Biology studies for university Biology study and Level 3 Biology studies for careers other than Sciences.

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

Potential careers that value learning and skills from this course: This course will be a useful foundation for careers in areas such as medicine, veterinary science, ecology, primary industry, fisheries, conservation, and biosecurity.

Chemistry

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

NCEA Level 2 / Course code: 12CHE

Entry information: Students must have completed Science at Level 1.

Topics and contexts studied in this course: In this course we will study how the bonding within different types of matter, both organic and inorganic, influences their properties.

Useful 21st Century skills and competencies you will learn in this course: How to analyse the structure of a substance to find out how it influences the function.

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 Level 1 Literacy	Counts towards Level 1 Numeracy
Titration Investigation	4	91161	Internal	N	N
Structure and Bonding	5	91164	External	N	N
Research	3	91163	Internal	N	N
Redox	3	91167	Internal	N	N
Organic Chemistry	4	91165	External	N	N
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 form this course: Chemistry is particularly useful for courses of study like engineering and health science. Anyone can benefit from knowledge of Chemistry as everything is made of atoms.

Design and Visual Communication

For further information, please see or contact Mr Allayne Guest – allayne.guest@obhs.school.nz

NCEA Level 2 / Course code: 12DVC

Entry information: 14 Level 1 DVC credits achieved from both Internal and External achievement standards. Any other student with a desire to attempt DVC needs to negotiate with Mr Guest. There is an expectation of extra efforts to upskill in techniques/systems already covered in Level 1. Junior DVC is an advantage. Students must have a laptop capable of running AutoCad software.

Students taking DVC should be self-motivated and have the ability to work independently. They should have a natural flair for drawing or sketching and relatively good 3D special perception. Students should be comfortable using computers and also be able to demonstrate attention to detail.

Topics and contexts studied in this course: DVC is a creative visual course where students will be using a variety of media, drawing and presentation techniques on an architectural design brief. Students will engage in developing a concept for the architectural design task, while developing graphic communication skills. Both freehand drawing and instrumental drawing are emphasised as a means of helping to design and develop solutions to the design briefs. We may utilise 3D modelling software and we hand craft model scale miniatures. Research skills, initiative, ingenuity and resourcefulness are attributes a student will develop through his work.

The course 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.

Useful 21st Century skills and competencies you will learn in this course: As visual communication is how most communication occurs (estimated at 80%), there are 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).

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
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
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 and equipment. The room is full of specialised equipment which allows for broad presentation techniques that cates to individual strengths and abilities.

Further study from this course: The Achievement standards offered lead towards the Level 3 DVC course. 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, interior designer, product designer, graphic designer, web designer, game designer, illustrator, fashion designer, and artist.

Digital Technologies

For further information, please see or contact Mrs Nicole Bennett - nicole.bennett@obhs.school.nz

NCEA Level 2 / 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) and advanced computer programming (Python) and Relational Databases.

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.

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
Use advanced techniques to develop a database	4	91892	Internal	N	N
Use advanced techniques to develop a digital media outcome - web design	4	91893	Internal	N	N
Use advanced programming techniques to develop a computer program - python	6	91896	Internal	N	N
Present a summary of developing a digital outcome	3	91899	External	N	N

BYOD device: Recommended Device. It is highly advantageous that you have a laptop of the recommend specification as listed on the school website. Loan laptops and devices will be available if this is a problem.

Course costs: $15 which covers access to the full Adobe Cloud and Code Avengers Platform.

Further study from this course: Level 3 Digital Technology

Potential careers that value learning and skills form this course: Web designer / developer, digital media and marketing, computer programmer, software engineer, IT consultant, database administrator, data analyst, games developer, application developer.

Digital Media Studies

For further information please see or contact Mr Peter Eaton – peter.eaton@obhs.school.nz

NCEA Level 2 / Course code: 12DMS

Entry information: All students are welcome to try this subject. This is a practical course that will enable you to demonstrate what you have learned by creating media. Being familiar with live streams, podcasts, movie making hardware and editing software are useful skills, but we will learn these as part of the course.

Topics and contexts studied in this course: The course is designed around us creating the media of today: live streams, vlogs, social media posts, video and web sites. To do this, we look at how media products are created, how they can be used to influence people in a society and the history of media production. During the course students will get hands-on experience using still and video camera to create videos and will learn how to live-stream gaming, sports and other events such as our school production. At Level 2, students will get a chance to specialise in an area of interest. This course is modern, engaging and prepares students for being creative in a digital world.

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.

Assessments of learning from the course content will be an appropriate and personalised selection from the list below. Additional standards and customisation will be undertaken at the start of and during the course to suit each student.

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
Produce a design and plan for a developed media product using a range of conventions	4	91252	Internal	N	N
Complete a developed media product from a design and plan using a range of conventions	6	91253	Internal	N	N
Write developed media text for a specific target audience	3	91255	Internal	N	Y
Demonstrate understanding of an aspect of a media genre	4	91251	External	Y	Y

Course costs: $10 for Adobe Suite Licenses
NB It is highly advantageous that you have a laptop of the recommended specification as listed on the school website. Loan laptops and devices will be available if this is a problem.

Further study from this course: Level 3 Digital Media Studies

Potential careers that value learning and skills form this course: Media production, television, radio, film/television, gaming/app design, journalism, publicity, social media influencer and other creative industries.

Earth and Space Science

For further information, please see or contact Mr Justin Zani - Justin.zani@obhs.school.nz

NCEA Level 2 / Course code: 12ESS

Entry information: Anyone can take this course as long as you want to find out how our environment works and our place in it.

Topics and contexts studied in this course: This course is a mixture of units studying planetary and space science. It is a full NCEA science course and focusses on Earth systems in a New Zealand context. Topics include climate, dinosaurs, earthquakes, volcanoes and tsunamis, and geology, as well as life, birth and death of stars, planets and moons.

Useful 21st Century skills and competencies you will learn in this course:
It is an interesting blend of topics which are engaging for all students regardless of their ability and prior knowledge. The course encourages students to think critically and to develop a global perspective on a wide range of issues, including space exploration, the environment and Earth systems, an understanding of which enables us to live more sustainably without compromising our standard of living.

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
Investigation of Lava Viscosity	4	91187	Internal	N	N
Climate Change	4	91188	Internal	N	N
Geology of the Dunedin Volcano	4	91189	Internal	N	N
Survival in Space	4	91190	Internal	N	N
Earthquakes, volcanoes and tsunami	4	91191	External	N	N
Life and death of stars	4	91192	External	N	N

Course costs:
1B5 Notebook
Course text book is required ($32) and note book.
Local Geology Field trip visiting key sites around the Dunedin volcano ($20)
Otago University Geology Department trip
Optional: 6 day field trip visiting North Island Volcanoes if there is sufficient interest
Optional: Beverly-Begg Observatory trip

Further study from this course: Right now, society is facing some of its greatest challenges to date. Climate change, ocean acidification, loss of biodiversity and habitat, disposable plastics, near Earth asteroids and answering the question “Are we alone”. Not only do we need well trained scientists who can answer these challenges, but every citizen needs an understanding of our environment in order to make informed political and lifestyle choices.

Earth and Space Science is also offered at Level 3. There are many New Zealand and international tertiary providers running a varied range of courses leading into Earth and Space Science fields. For example, Otago University offers a BSc with a major or minor in Ecology, Geography, Geology, Land Planning and Development, Marine Science, Oceanography, Physics or Surveying Management. Canterbury University also runs a course in Astronomy.

Potential careers that value learning and skills from this course: Civil engineering, marine science, meteorology, conservation, geology, astronomy, physics, aviation, disaster response, surveying and planning are just a few of the fields Earth and Space Science may lead to. There is a shortage of well-trained Environmental Scientists, and job prospects are very good.

Economics

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

NCEA Level 2 / Course code: 12ECO

Entry information: There are **NO** prerequisites for entry into this course.

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 where we look to encourage the following 21st Century Life Skills: critical thinking, creativity, collaboration, communication, information literacy, media literacy, technology literacy, flexibility, leadership, initiative, productivity and social skills.

This course provides the opportunity to gain 18 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. Level 2 Economics standards 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 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 and Levels 3 Business Studies and Entrepreurship.

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, and planning.

English

For further information please see or contact Mr Matt Dadley – matthew.dadley@obhs.school.nz

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 2 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 1. 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, and cultural competency.

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 specified aspect(s) of studied visual or oral text(s), supported by evidence	4	91099	External	N	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
Use information literacy skills to form developed conclusions	4	91105	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: Nil

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. Students who find success in any of these courses can progress to English in Year 13. Various assessments in Level 2 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, journalism, law and research are examples.

Food and Nutrition

For further information please see or contact Ms Emma Moore - emma.moore@obhs.school.nz - or Ms Jacqueline Irving - jacqueline.irving@obhs.school.nz

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 the best fit for their learning needs. Fouteen credits will be the base line for students entered in this course

Topics and contexts studied in this course:

- **Issues related to the provision of food for people with specific food needs –** Looking at different diets and the needs around those diets. Diabetes, Coeliac disease, Plant-based diets and high energy users. The context for 2023 will be looking at nutrition in line with the Level 2 Outdoor Education setting, Level 2 Alps to Ocean. Additional credits are available by planning and preparing a menu that meets the nutritional needs for this context.
- **Sustainability and 'Zero Waste'. Evaluating sustainable food practice -** Examining global, national, and local practices with food. How much food wastage costs New Zealand, choice of food products, food packaging and food preservation.
- **OBHS International Food Festival -** Students will look at running a food festival which connects to a diverse range of foods from different countries. Assessment is based on descriptions and characteristics of international dishes.

External Standards

- **Health promotion strategies in New Zealand -** Students must challenge a current strategy 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.
- **Relationships between wellbeing, food choices and determinants of health –** Students will look at what the determinants of health are and how these have an impact on a person's food choice and how that in turn can have an influence on wellbeing.

Useful 21st Century skills and competencies you will learn in this course: Resourcefulness and relating to others underpin 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.

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 Literacy	Counts towards UE Numeracy
Explore related to the provision of food for people with specific food needs.	5	91299	Internal	N	N
Evaluate sustainable food related practices	5	91302	Internal	N	N
Health promoting strategies designed to address a nutritional need	4	91304	External	Y (Writing)	N
Relationships between wellbeing, food choices and determinants of health	4	AS91300	External	Y (Writing)	
Compare characteristics of international dishes and prepare and present international dishes	4	US22234	Internal	N	N
Cook food items by braising and stewing	2	US13277	Internal	N	N
Prepare and assemble, and present salads for service	2	US13283	Internal	N	N
Food Safety	4	167	External Provider	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 $25 for those students who wish to undertake US 167 offered by The Learning Place in 2023.

Further study from this course: A natural progression into Level Three Food and Nutrition. Tertiary Courses and degrees in product development and innovation, culinary arts, nutrition, marketing, 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.

French

For further information please see or contact Ms Elaine Kelly - elaine.kelly@obhs.school.nz

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 who will assess whether you qualify to take this course.

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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", "Textivate" and "Teachvid". Contemporary music and film is included in this course.

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

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 minutes s 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: $13 for a grammar workbook. Nil if you purchased this previously.
Further study from this course: At this stage of your education, to further study at Level Three

Potential careers that value learning and skills form 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.

Geography

For further information please see or contact Ms Kate Hope – kate.hope@obhs.school.nz

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 uses geographic ideas, concepts, and skills to make you a geographer by reflecting on people, place, and environments. From murder rates to freedom camping, to helicopter flights, this course covers it all and leads to 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;
- 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;
- The ability to capture and analyse spatial and geographical data
- 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.

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 an urban pattern	3	91241	Internal	N	N
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
Apply spatial analysis, with guidance, to solve a geographic problem	3	91247	Internal	N	N

Course costs: Skills work booklet – approximately $35. Field Trip to Aoraki/Mount Cook over 3 days in Term 2. Approximate cost of $310-$330.

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 3 Geography where all skills taught are developed further and applied to our local area.

Potential careers that value learning and skills form this course:
Jobs directly related to Geography: Cartographer, commercial/residential surveyor, environment consultant, geographic 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, environmental lawyer, GIS specialist, urban planner, water resources specialist.

German

For further information please see or contact Ms Elaine Kelly - elaine.kelly@obhs.school.nz

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 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”, “Textivate” and “Teachvid”. 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.

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

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 minutes 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: $13 for a grammar workbook. Nil if you purchased this previously.

Further study from this course: At this stage of your education, to further study at Level Three.

Potential careers that value learning and skills form 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.

History

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

NCEA Level 2 / Course code: 12HIS

Entry information: Continuing students should 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
- Old Boys and World War 1
- Vietnam War
- Additional topics selected by teacher and students

Useful 21st Century skills and competencies you will learn:

- 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

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: Armed forces, accountancy firms, banks, higher education institutions, law firms, management consultancies, non-governmental organisations, publishing, schools, and state services.

Year 12 Mathematics and Statistics

There are three Level 2 Mathematics Courses. Students choose **ONE** of the courses outlined below.

For further information please see Mr Richard Roe richard.roe@obhs.school.nz or Mr Richard Sykes richard.sykes@obhs.school.nz

NCEA Level 2 / Course code: 12MAA Algebraic Mathematics

Entry information: It is expected that students will have achieved at least one of 1.2 (Algebra) and 1.3 (Graphing). It is beneficial if students have passed their previous Mathematics course with an endorsement at Merit or Excellence.

Topics and contexts studied in this course: Algebra, Calculus, Statistics and Probability.
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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.

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: $25 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 or polytechnic courses and apprenticeships. It is recommended for any student wanting to continue into any science or mathematics courses in Year 13 and beyond.

Potential careers that value learning and skills from this course: Science, technology, information technology, health, engineering, surveying, education.

NCEA Level 2 / Course code: 12MAI Internal Mathematics

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, and 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 will 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: $25 for write-on booklets supplied by the Mathematics Department. A graphics calculator, costing approximately $120.

Further study from this course: Continuing with Mathematics following this course will be difficult and will only be possible with a recommendation from your teacher.

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.

NCEA Level 2 / Course code: 12MAG General Mathematics

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, and 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
Conduct an experiment to investigate a situation using experimental design principles	4 (L3)	91583	Internal	N	N
Apply algebraic methods in solving problems*	4	91261	External	N	N

*Not in scheme of work and by request only

Course costs: $25 for write-on booklets supplied by the Mathematics Department. A graphics calculator, costing approximately $120, is recommended.

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. It is not appropriate if you intend to continue into the sciences or higher levels of mathematics (beyond high school).

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.

Workshop Technology Metal

For further information please see or contact Mr Greg Densem - greg.densem@obhs.school.nz

Boys may choose either Workshop Technology Metal or Workshop Technology Wood, not both.

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 and 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 and welding skills.

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
Develop a conceptual design for an outcome.	6	91356	Internal	N	N
Implement advanced procedures using resistant materials	6	91344	Internal	N	N
Demonstrate understanding of how technological modelling supports risk management	4	91358	External	Y	N
Select, use and maintain portable handheld power tools	4	2396	Internal	N	
Use and care for engineering hand tools	4	2395	Internal	N	N

Course costs: A base fee of $100 is included in the school fees to cover the cost of consumable items such as paints (excluding spray), abrasives, gas and welding consumables. Metal for the construction of the student's project will be invoiced once a materials list has been developed, and the student decides what and how much they require. 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 or 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 other trades. It is also a good launching pad for tertiary study (especially design or engineering).

Music

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

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/song writing.

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, and collaboration.

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

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, and education. Collaboration, communication and creativity serve you well in a variety of fields.

Physical Education (Offers 3 courses)

For further information please see or contact Mr Mike McGarry - mike.mcgarry@obhs.school.nz

NCEA Level 2 / Course code: 12PED

Entry information: Level 1 Applied Physical Education

Topics and contexts studied in this course: This 20 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 and relate this activity to the theory being studied.

Useful 21st Century skills and competencies you will learn in this course: Further development of skills of communication, interpersonal skills and self-management.

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

Course costs: Nil. The School PE Uniform should be worn for practicals.

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.

Applied Physical Education

For further information please see or contact Mr Mike McGarry – mike.mcgarry@obhs.school.nz

Note: Students are not able to study both Applied Physical Education and Physical Education.

NCEA Level 2 / Course code: 12APP

Entry information: Level 1 Applied Physical Education

Topics and contexts studied in this course: This 8credit 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 students to further develop self-discipline, team work, individual responsibility, and to have exposure to competitive situations, making appropriate lifestyle choices. Students will also 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
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

Demonstrate, instruct and monitor static stretching	3	US21794	Internal	N	N
Develop and implement an exercise plan for personal physical fitness	5	US30935	Internal	N	N

Course costs: There is a High-Performance Sport fee of $100. The School PE Uniform should be worn for practicals.

Further study from this course: Level 3 Sports Education.

Potential careers that value learning and skills form this course: Ever expanding Health and Fitness industry.

Outdoor Education

For further information please see or contact Mr Mike McGarry - mike.mcgarry@obhs.school.nz

NCEA Level 2 / Course code: 12ODR

Entry information: Nil

Topics and contexts studied in this course: The course will be based in and around the local Dunedin area as well as involving some trips. There will be a focus on theory and practical work with an emphasis on risk management, planning and the evaluation of activities. This course will involve extra cost as it will require the use of specialised 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

Examine the implementation and outcome(s) of a physical activity, event or opportunity	3	91335	Internal	N	N
Demonstrate paddling skills on moving water	2	US32848	Internal	N	N
Demonstrate novice rock climbing and belaying skills on Ewbank Grade 12 and above	2	US20157	Internal	N	N
Demonstrate mountain biking skills on grade 2 terrain	2	US457	Internal	N	N
Demonstrate skills for an overnight tramp	2	US26249	Internal	N	N
Demonstrate basic movement skills and build a snow shelter on low-angled mountain terrain	2	US438	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 2023. This is approximately $1000.

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, and tourism opportunities.

Physics

For further information please see Mr Hamish Robb – hamish.robb@obhs.school.nz

NCEA Level 2 / Course code: 12PHY

Entry information: Students should have at least passed the Level 1 Science Mechanics external examination as well as have 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.

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
Mechanics	6	91171	External	N	N
Electricity and Electromagnetism	6	91173	External	N	N
Physics of Everyday Life	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: $28

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.

Te Ao Haka-Reo Māori

For further information please contact Matua Vai Mahutariki - vai.mahutariki@obhs.school.nz

NCEA Level 2 / Course code: 12MAO

Entry information: A genuine interest in Māori culture and Te Reo Māori. Experience with Kapa Haka and Māori Performing Arts is advantageous as well as 11MAO in the previous year.

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 Māori 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 programme 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.

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
Explore elements to create a section of a Te Ao Haka item	6	91980	Internal	N	N
Kōrero kia whakamahi i te reo o te ao torotoro	6	91285	Internal	N	N
Perform a Te Ao Haka item to respond to a local kaupapa	6	91981	Internal	N	N
Compare a Te Ao Haka performance and one other performance	4	91982	External	N	Y
Respond to a Te Ao Haka performance	4	91983	External	N	Y

Course costs: Nil
Further study from this course: Te Ao Haka-Reo Māori 3 (Year 13).

Potential careers that value learning and skills form 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 to have a cross-cultural awareness. Possible careers include Māori 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.

Students who wish to study a full year course in Te Reo Māori should contact Matua Vai Mahutariki – vai.mahutariki@obhs.school.nz or Ms Anne Gorman – anne.gorman@obhs.school.nz

Workshop Technology Wood

For further information please see or contact Mr Johnny Simmons - johnny.simmons@obhs.school.nz

Boys may choose either Workshop Technology Wood or Workshop Technology Metal, not both.

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 piece of outdoor furniture using hand tools and machines. Students also design, model and construct a lamp using the CNC router, lathe turning or other decorative processes.

Useful 21st Century skills and competencies you will learn in this course: Problem solving, creativity, eye-hand co-ordination, neatness, accuracy, social skills and self confidence

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
Conceptual design	4	AS 91356	Internal	N	N
Implement advanced procedures	6	AS 91344	Internal	N	N
Technological modelling	4	AS 91358	External	N	N

Course costs: $120 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 polytechnic.

Potential careers that value learning and skills form this course: All trade related careers.

Notes/questions I may have for teachers/deans

Vocational Pathways in 2023

The Vocational Pathways provide new ways to structure and achieve NCEA Level 2, the foundation for successful transitions to further education and work. This journey starts with a successful NCEA Level 1. 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;

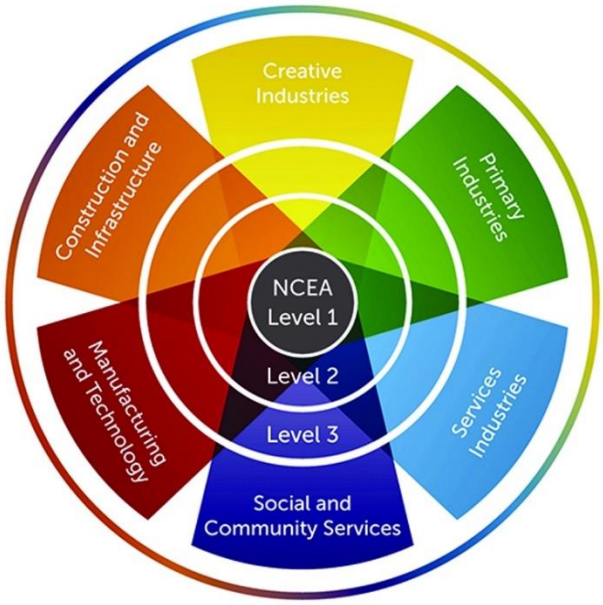
Primary Industries;

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, for example at Academic Coaching and careers counselling.



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 2023 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.

Vocational Pathways at OBHS NCEA 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			
Chemistry	22 recommended credits	22 recommended credits	22 recommended credits	22 recommended credits	4 recommended credits	22 recommended credits
Design and Visual Communication	26 sector credits	7 recommended credits		7 sector credits 19 recommended credits	7 recommended credits	29 sector credits
Digital Technology	12 recommended credits	12 recommended credits	3 recommended credits	19 sector credits 12 recommended credits	16 recommended credits	12 recommended credits
Digtal Media Technology						21 sector 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
Food and Nutrician		5 recommended credits	4 sector credits 10 recommended credits		8 sector credits 14 recommended credits	
French					10 recommended credits	10 recommended credits
Geography	4 recommended credits	11 recommended credits	3 recommended credits		23 recommended credits	12 recommended credits
German					10 recommended credits	10 recommended credits

	Construction and Infrastructure	Primary Industries	Social & Community Services	Manufacturing and Technology	Service Industries	Creative Industries
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
Metal Technolgy	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
Applied Physical Education			4 recommended credits		12 recommended credits	12 recommended credits
Physics	26 recommended credits	19 recommended credits	26 recommended credits	26 recommended credits		26 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

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	Agricultural Technician	Air Force Serviceman	Aeronautical Engineer	Accountant	Actor
Architect	Agricultural Scientist	Ambulance Officer	Aircraft Maintenance	Accounts Officer	Advertising Specialist
Boat Builder	Animal Attendant	Anaesthetist	Engineer	Actuary	Animator
Bricklayer	Aquaculture Farmer	Animal Attendant	Architect	Administration Officer	Architect
Building Contractor	Arborist	Audiologist	Automotive Electrician	Advertising Specialist	Architectural Technician
Building Inspector	Beekeeper	Biomedical Engineer	Automotive Mechanic	Air Force Serviceman	Archivist
Cabinet Maker	Biochemist	Biosecurity Officer	Baker	Army Serviceman	Art Director
Caretaker	Biosecurity Officer	Building Inspector	Biochemist	Auctioneer	Artist
Carpenter	Biotechnologist	Chiropractor	Biomedical Engineer	Bank Worker	Artistic Director
Civil Engineer	Crop / Dairy Farmer	Community Worker	Boat Builder	Barrister	Author
Concrete Worker	Dairy Products Maker	Corrections Officer	Brewer	Beauty Therapist	Beauty Therapist
Construction Manager	Dog Trainer	Conservator	Butcher	Bus Driver	Boat Designer
Crane Operator	Energy Auditor	Counsellor	Cabinet Maker	Café Worker	Body Artist
Draughtsperson	Environmental Engineer	Customs Officer	Chemical Engineer	Carpet Cleaner	Camera Operator
Diver	Environmental Scientist	Curator	Chemist	Cashier	Clothing Designer
Driller	Farm Worker	Dental Technician	Civil Engineer	Chef	Clothing Pattern Maker
Electrician	Fencer	Dentist	Clothing Designer	Chemist	Conservator
Environmental Engineer	Fishery Officer	Dietitian	Clothing Marker/Cutter	Courier	Copywriter
Floor and Wall Tiler	Fishing Skipper	Early Childhood Teacher	Computer Systems	Data Entry Operator	Curator
Floor Covering Installer	Food Technologist	Environmental Scientist	Technician	Dietician	Dancer
Fork-lift Operator	Forestry Worker	Firefighter	Dairy Products Maker	Driver	Director
General Labourer	Gardner	Foreign Policy Officer	Database/Systems	Dry-Cleaner	Dressmaker
Glazier	General Labourer	Forensic Scientist	Administrator	Economist	Editor
Interior Designer	Geologist	General Practitioner	Electrical Engineer	Events Manager	Events Manager
Joiner	Geophysicist	Health and Safety	Food and Beverage	Financial Advisor	Exhibition Technician
Landscape Architect	Groundsperson	Inspector	maker Factory Worker	Fitness Instructor	Film and Video Editor
List Technician	Horse Trainer	Immigration Officer	Furniture Finisher	Flight Attendant	Florist
Locksmith	Horticultural Scientist	Interpreter	Game Developer	Funeral Director	Game Developer
Metal Worker	Hunter/Trapper	Laboratory Technician	Glass Processor	Graphic Designer	Graphic Designer
Miner	Landscape Architect	Lecturer	Industrial Designer	Hairdresser	Hairdresser
Mining Engineer	Landscape Gardner	Librarian	Jeweller	Historian	Industrial Designer
Painter and Decorator	Marine Biologist	Medical Technician	Joiner	Insurance Agent	Interior Designer
Plasterer	Meat Inspector	Midwife	Marine Engineer	Jeweller	Jeweller

Plumber and Gasfitter Project Manager Property Manager Quantity Surveyor Quarry Worker Roading Construction Worker Roofer Rubbish Collector Scaffolder Stonemason Survey Technician Surveyor Waste Treatment Operator Water Treatment Operator Welder	Meat Process Worker Microbiologist Nursery Grower Packhouse Worker Production Manager Pulp and Paper Mill Operator Quarantine Inspector Saw Doctor Science Technician Seafood Process Worker Shearer Stock and Station Agent Veterinarian Veterinary Nurse Winemaker Wood Processing Worker	Minister Nanny Navy Serviceman Nurse Occupational Therapist Optometrist Osteopath Parking Warden Pathologist Pharmacist Physiologist Physiotherapist Podiatrist Police Officer Policy Analyst 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	Meat Inspector Mechanical Engineer Panelbeater Picture Framer Plastics Worker Printer Programmer Refrigeration/Air-conditioning Technician Science Technician Software Architect Supply Officer Telecommunications Technician Technical Writer Toolmaker Vehicle Body Builder Vehicle Painter Watchmaker Web Developer Winemaker	Journalist Kitchenhand Lawyer Meteorologist Mortgage Broker Navy Serviceman Outdoor Guide/Instructor Panelbeater Payroll Officer Pharmacist Physicist Picture Framer Pilot Production Assistant Professional Sportsperson 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	Journalist Landscape Artist Lighting Technician Make up artist Media Producer Musician Photographer Public Relations Consultant Radio Presenter Screen Printer Sewing Machinist Signwriter Sound Technician Stonemason Tailor Television Presenter Upholsterer Web Developer

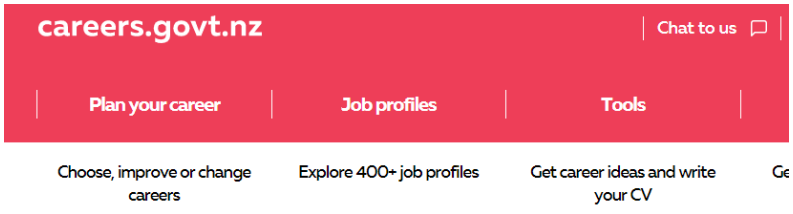
Highly recommended websites

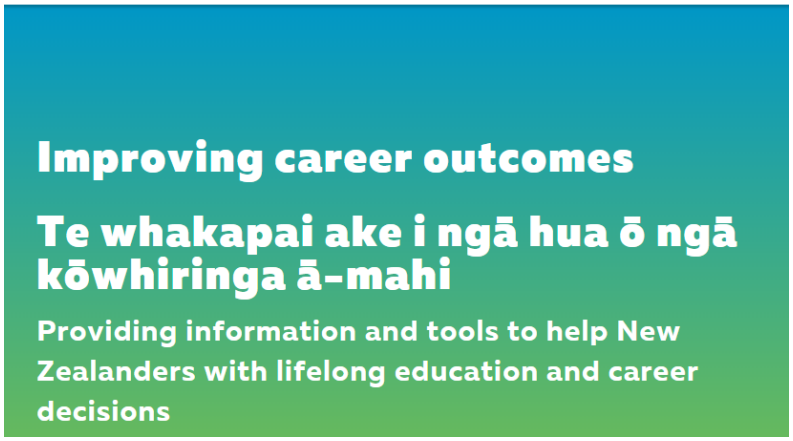
https://youthguarantee.education.govt.nz/

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.

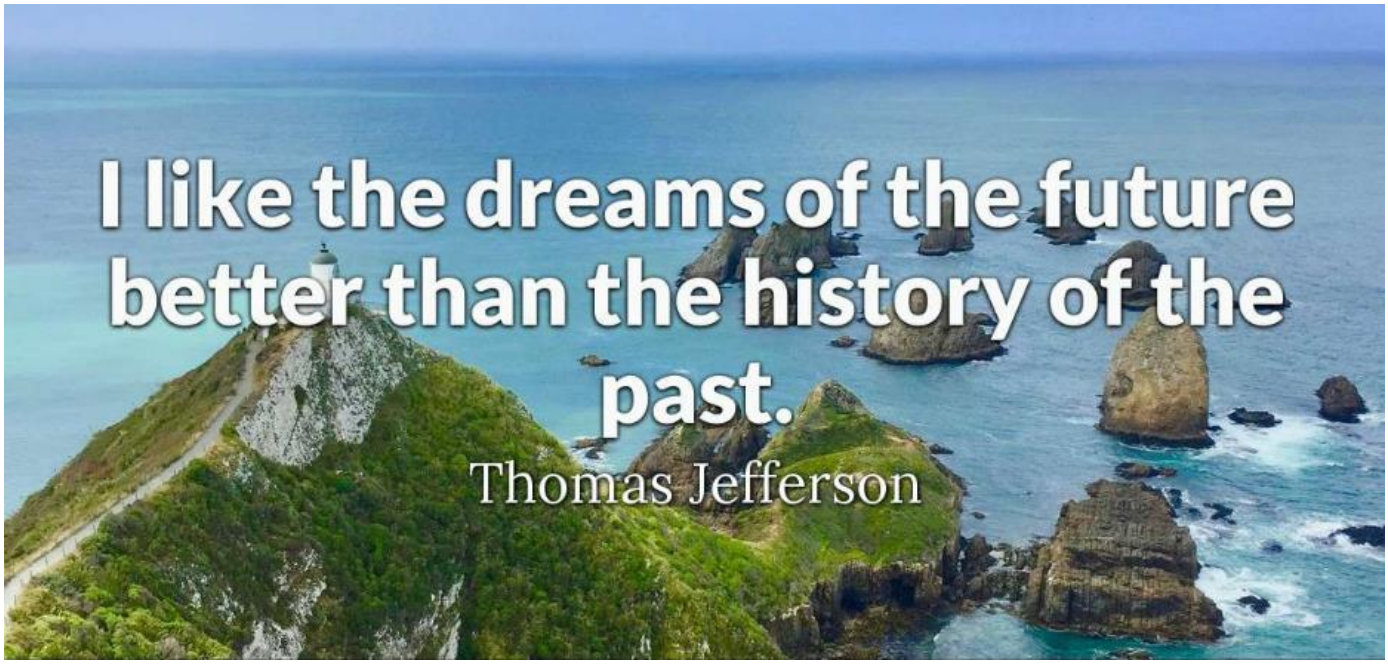
About

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





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



Good luck for 2023 and beyond.

Otago Boys' is here to support you as much as we can in your journey through NCEA.