

Otago Boys' High School

Course selection for 2021

NCEA Level 1

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Kia ora boys, parents and caregivers

Welcome to the Senior School. 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 2021 - You may wish to ask advice from the following staff

Guidance Counsellor

Mr Wither

Careers Advisors

Mr Swan and Ms Irving

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 11 students in 2021

All students study SIX subjects which must include English and Mathematics & Statistics. All courses will lead to the NCEA Level 1 qualification. Most subjects will have a mixture of internally and externally assessed Achievement Standards.

To achieve NCEA Level 1 students must gain 10 credits in Literacy and 10 credits in Numeracy.

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 1 with Excellence. If you get 50 or more credits at Merit (or a mix of Merit and Excellence), you will earn NCEA Level 1 with Merit.

Course endorsements 2021

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 & Bronze 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 Bronze 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, 10 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, 23 September**

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

SubjectsL1 Full Year Courses

| Course | 1 | 2 | 3 | 4 | 5 | 6 |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| English | | | | | | |
| Level 1 English (11ENG) | <input type="checkbox"/> | | | | | |
| Mathematics | | | | | | |
| Level 1 Mathematics and Statistics (11MAS) | | <input type="checkbox"/> | | | | |
| Science | | | | | | |
| Level 1 Science (11SCI) | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Accounting | | | | | | |
| Level 1 Accounting (11ACC) | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Agriculture | | | | | | |
| Level 1 Agricultural Science (11AGR) | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

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.)

When making course selections you will notice the grey boxes turn to green ticks. You must make one selection per column. In the 1st column you can only select English. In the 2nd column you are only able to select Mathematics & Statistics. Columns 3 to 6 are for your “free” choices – you are strongly advised to select Science as a choice. You will be able to see how your selections are progressing at the bottom left of the screen.

We are expecting workshop numbers to be very tight in 2021. 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.

DEADLINE FOR MAKING SUBJECT SELECTION IS
WEDNESDAY 23 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”.

| Course | 1 | 2 | 3 | 4 | 5 | 6 |
|----------------------------------|---|---|---|---|---|---|
| Level 1 History (11HIS) | | | | | x | ✓ |
| Te Reo Maori | | | | | | |
| Level 1 Te Reo Māori (11MAO) | | | | | x | x |
| Media Studies | | | | | | |
| Level 1 Media Studies (11MST) | | | | | x | x |
| Music | | | | | | |
| Level 1 Music (11MUS) | | | x | x | x | x |
| Technology Metal | | | | | | |
| Level 1 Metal Technology (11WTM) | | | x | x | x | x |
| Technology Wood | | | | | | |
| Level 1 Wood Technology (11WTW) | | | x | x | x | x |

Subject Confirmation ✕

Please confirm your course selection:

- 1: Level 1 English - 11ENG
- 2: Level 1 Mathematics and Statistics - 11MAS
- 3: Level 1 Science - 11SCI
- 4: Level 1 Agricultural Science - 11AGR
- 5: Level 1 Applied Physical Education - 11APP
- 6: Level 1 History - 11HIS

Confirm Selection
Close

1: Level 1 English - 11ENG, 2: Level 1 Mathematics and Statistics - 11MAS, 3: Level 1 Science - 11SCI, 4: Level 1 Agricultural Science - 11AGR, 5: Level 1 Applied Physical Education - 11APP, 6: Level 1 History - 11HIS

Preview Selection

Save

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 1 / Course code: 11ACC

Entry information: There is open entry to Level One Accounting.

Topics and contexts studied in this course: Accounting is the language of business, introducing Accounting as a financial language for individuals, community organisations and small businesses.

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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Demonstrate understanding of accounting concepts for small entities | 3 | 90976 | External | Y | N |
| Process financial transactions for a small entity | 5 | 90977 | Internal | N | N |
| Prepare financial statements for sole proprietors | 5 | 90978 | External | N | N |
| Prepare financial information for a community organisation's AGM | 4 | 90979 | Internal | Y | N |
| Prepare financial information for a community organisation's AGM | 4 | 90979 | Internal | Y | N |
| Interpret accounting information for sole proprietors | 4 | 90980 | External | Y | N |
| Make a financial decision for an individual or group | 3 | 90981 | Internal | Y | N |

Course costs: \$30 for work books

Further study from this course: To the study of Level 2 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 1 / Course code: 11AGR

Entry information: There are no prerequisites for this course.

Topics and contexts studied in this course: The course offers an introduction to Agricultural and Horticultural production in New Zealand. It is a full NCEA course that offers a mix of internal and external standards. It covers a range of practical and theoretical skills and would appeal to any student who would like a career in the exciting fields of applied sciences and primary industries. It is also suitable for any student who wishes to grow their own food at home.

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

In this course we will be learning investigative skills, how to take cuttings, landscape design, research and how to raise livestock.

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 |
|----------------------|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Investigation | 4 | AS90918 | Internal | Y | N |
| Practical skill | 4 | AS90157 | Internal | N | N |
| Crop growth | 4 | AS90155 | Internal | Y | N |
| Primary industries | 4 | AS90920 | Internal | Y | N |
| Landscape plan | 4 | AS90922 | Internal | N | N |
| Livestock management | 4 | AS90921 | External | Y | N |

Course costs: Exercise book and work book (\$35)

Further study from this course: The course is ideal preparation for Level 2 study or for developing skills needed to grow your own food.

Potential careers that value learning and skills form this course: Any career in Agriculture or Biology would be helped by doing this course.

Visual Art

For further information please see or contact Ms Brigid Allan - brigid.allan@obhs.school.nz

NCEA Level 1 / Course code: 11ART

Entry information: Art in Years 9 and 10 is a big advantage, but not essential.

Topics and contexts studied in this course: Visual Art at Level 1 focuses on further developing students' practical knowledge in printmaking and painting. Teacher selected models are used to introduce boys to how ideas are developed. This is an important tool for Level 2.

The course covers developing practical knowledge in wet and dry media, with a focus on painting and printmaking processes and procedures. The research component of this course gives depth and context to the artworks from Maori and NZ European cultures.

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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|--|---------|-----------------------------|---|---------------------------------|---------------------------------|
| Use drawing methods and skills for recording information using wet and dry media. | 4 | 90914 | Internal | N | N |
| Use drawing conventions to develop work in more than one field of practice | 6 | 90915 | Internal | N | N |
| Produce a body of work informed by established practice, which develops ideas, using a range of media. | 12 | 90916 | External | N | N |

Course costs: The fee is \$80 and it includes but is not limited to the following items: A4 folder, sketchbook, set of A2 paints, 6 brushes, 4 pencils, erasers, a mixture of weighted papers, wood mdf plates, carving tools, photo printing and printmaking inks.

Further study from this course: Levels 2 and 3 specialising in Painting or Printmaking

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. These include television, arts heritage, illustration, marketing, advertising, product design, curator, art historian, packaging, fashion, photography, tattoo artist, animator, gaming and web development.

Design and Visual Communication

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

NCEA Level 1 / Course code: 11DVC

Entry information: DVC (Design and Visual Communication) in Years 9 and /or 10 preferred, but not essential. All keen designers are welcome.

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 a variety of 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 we 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 four units which are internally assessed and three which are externally assessed. Together these are worth a total of 25 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 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).

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 |
|--|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Use design ideas to produce a conceptual design for an outcome to a design brief. | 6 | 91046 | Internal | N | N |
| Produce freehand sketches that communicate design ideas | 3 | 91063 | External | N | N |
| Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas | 3 | 91064 | External | N | Y |
| Produce instrumental paraline drawings to communicate design ideas | 3 | 91065 | External | N | Y |
| Use rendering techniques to communicate the form of design ideas | 3 | 91066 | Internal | N | N |
| Use the work of an influential designer to inform design ideas. | 3 | 91067 | Internal | N | N |
| Promote an organised body of design work to an audience using visual communication techniques | 4 | 91069 | 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 cater to individual strengths and abilities.

Further study from this course: The Achievement standards offered count towards University Entrance. Scholarship is available for the elite student. University degrees and diploma courses are available at various tertiary institutions in the following areas: architectural design, surveying, engineering, interior design, commercial/print illustration, product design, graphic design, web design, game design, fashion design, art.

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 or artist.

Digital Technologies

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

NCEA Level 1 / 11DGT

Entry information: It is preferable that you have taken Year 9 and Year 10 Digital Technology as this course is quite demanding. You will need to demonstrate confidence in multiple applications.

Topics and contexts studied in this course: Students will be creating databases and will design an infographic from their collected data. They will continue to develop their confidence in designing digital outcomes such as websites and infographics while assessing their usability and aesthetics. Programming is the core learning of over half of this course and will be at the heart of learning. Students will learn three programming languages (HTML/CSS and Python).

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

You will learn to code websites from the ground up, from design to final implementation using original graphics you have designed. You will also learn one of the most popular coding languages used at Google, Python. Additionally you will develop your problem-solving skills and your ability to critically analyse existing interfaces.

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 |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Develop a digital outcome to manage data – Database | 4 | 91879 | Internal | Y | N |
| Develop a design for a digital outcome -Infographic | 3 | 91878 | Internal | Y | N |
| Develop a digital media outcome - Web Design | 4 | 91880 | Internal | Y | N |

| | | | | | |
|---|---|-------|----------|---|---|
| Develop a computer program - Python | 4 | 91883 | Internal | Y | N |
| Demonstrate understanding of human computer interaction | 3 | 91886 | External | Y | N |

BYOD device: Recommended Device. 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.

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

Further study from this course: Level 2 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 Technology

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

NCEA Level 1 / Course code: 11DMT

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 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. Do to 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 learn how to live-stream gaming, sports and other events such as our school production. 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, which make up the core of the course. 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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|--|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Produce a design and plan for a media product using a specified range of conventions | 3 | 90993 | Internal | N | N |
| Complete a media product from a design and plan using a specified range of conventions | 6 | 90994 | Internal | N | N |
| Develop a digital media outcome | 4 | 91880 | Internal | Y | N |
| Demonstrate understanding of compression coding for a chosen media type | 3 | 91887 | External (November, not an exam) | Y | N |

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 2 Digital Media

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

Economics

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

NCEA Level 1 / Course code: 11ECO

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

Topics and contexts studied in this course: The course provides a framework of micro-economic theory and provides a good grounding for future study in the subject. Topics are taught using local examples and two assessments are based on Speights Brewery in Dunedin. The course comprises four major areas of study.

1. Consumer Choices - students will study the economic behaviour of individuals and households.
2. Producer Choices - students will study the decisions of individual firms and industries about the use of resources to produce goods and services.
3. Government Choice - students will study the decision-making process for a government choice where there are competing viewpoints and values positions.
4. The Market - students will study the interactions between households and firms in the market and the resulting allocation of resources.

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 is a full year course and provides the opportunity to gain 24 credits. There are 12 credits externally assessed at the end of the year and 12 credits are internally assessed during the year. All Level 1 standards contribute to NCEA Level 1 literacy requirements.

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 |
|--|---------|-----------------------------|--|---------------------------------------|------------------------------------|
| Demonstrate understanding of consumer choices, using scarcity and/or demand | 4 | 90983 | External | Y | N |
| Demonstrate understanding of decisions a producer makes about production | 5 | 90984 | Internal | Y | N |
| Demonstrate understanding of producer choices using supply | 3 | 90985 | External | Y | N |
| Demonstrate understanding of how consumer, producer and/or government choices affect society, using market equilibrium | 5 | 90986 | External | Y | N |
| Demonstrate understanding of government choice where affected groups have different viewpoints | 4 | 90987 | Internal | Y | N |
| Demonstrate understanding of the interdependence of sectors of the New Zealand economy | 3 | 90988 | Internal | Y | N |

Course costs: Students are encouraged to purchase the Year 11 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 2 and 3 Economics.

Tertiary: 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.

English

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

NCEA Level 1 / Course code: 11ENG

Entry information: Students will be guided into the appropriate programme based on their Year 10 achievement and advice from their Year 10 English teacher. Entry to any Year 11 programme is at the discretion of the HOD English.

Topics and contexts studied in this course: Your English course this year aims to instruct students in the following main areas: Reading Skills, Personal and Formal Essay Writing, Literature (Drama, Novel, Short Stories, Poetry, Non-Fiction, and Film), Research Skills, Speaking Skills and Media Production Skills. Skills such as interpretation, analysis and processing of information and ideas are also developed.

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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|--|---------|-----------------------------|---|---------------------------------|---------------------------------|
| Show understanding of specified aspect(s) of studied written text(s), using supporting evidence | 4 | 90849 | External | Y | N |
| Show understanding of specified aspect(s) of studied visual or oral text(S), using supporting evidence. | 4 | 90850 | External | Y | N |
| Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence | 4 | 90851 | External | Y | N |
| Produce creative writing | 3 | 90052 | Internal | Y | N |
| Produce formal writing | 3 | 90053 | Internal | Y | N |
| Explain significant connection(s) across texts, using supporting evidence | 4 | 90852 | Internal | Y | N |
| Create a visual text | 3 | 90855 | Internal | Y | N |
| Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence | 3 | 90856 | Internal | Y | N |
| Construct and deliver an oral text | 4 | 90857 | Internal | Y | N |

Course costs: Nil

Further study from this course: English as a subject is offered at both Level 2 and Level 3 as NCEA options. The study of English literature as well as English language are both well-established and popular tertiary pathways internationally.

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.

Food and Nutrition

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

NCEA Level 1 / Course code: 11FDN

Entry information: It is an advantage to have taken this subject in the junior school where safe and efficient work routines in our specialist room have been established. Students will undertake both written and practical assessments with photographic evidence at this level. The context for learning is centred on teenagers eating habits in New Zealand.

Topics and contexts studied in this course:

Food Handling - Students need to show consistent evidence in practical lessons and confidently identify poor food safety and hygiene in the case studies that are used for assessment

Individual food plans - Planning and justifying a weeks' worth of meals that reflect the NZ Nutritional Guidelines for a teenager is the key task. The fun part of this is making three main meals. Photographic evidence and written analysis will secure the credits.

Cultural food practices in NZ - Exploring the origins of NZ food and culture influences is assessed. Students' research, interview, visit and cook a variety of dishes that have made their way into New Zealand's cuisine.

Reading and interpreting food labels - Applying knowledge of nutrition to interpret and compare mixed nutritional messages on packaging.

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

Students need to become competent users of language, text and numbers in a range of contexts. Managing self and working as part of a team are instrumental to success in this practical environment. Collaboration and an understanding of culture will enhance success in this subject.

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 |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Practices and strategies to address food handling issues | 5 | 90959 | Internal | Y | N |
| Knowledge of an individual's nutritional needs | 5 | 90956 | Internal | N | N |
| How cultural practices influence eating patterns in New Zealand | 5 | 90958 | Internal | Y | N |
| Demonstrate understanding of how packaging information influences an individual's food choices and well-being | 4 | 90961 | External | Y | N |

Course costs: Students wishing to have Otago Boys' High School supply ingredients for practical lessons will be invoiced.

Further study from this course: There is a natural progression into NCEA Levels 2 and 3 in Food and Nutrition. We are a University Entrance subject.

There are natural pathways into the following: product development and innovation, dietician, marketing, food science and technology, food manufacturing, human resources, sports nutrition, quality assurance and analysis, food styling. Tertiary Courses are available including: Bachelor of Culinary Arts. Bachelor of Agriculture and Food Marketing

Potential careers that value learning and skills from this course:

Research, food technologist, product developer, marketing, chef, hospitality, sports nutrition, food science, dietician, agricultural business and food marketing.

French

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

NCEA Level 1 / Course code: 11FRE

Entry information: Ideally you should have completed a full year course in Year 10. 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.

Topics and contexts studied in this course*:

This course builds on the topics you have studied in Year 10 and includes:

- Education and future – what you are studying and your goals for the future
- Travel and holidays – including learning about French speaking countries
- Healthy lifestyles – sport, fitness, diet, good and bad habits
- Media and social media – TV, film, books, online habits, pros and cons 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

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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|--|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Give a 1-2 minute spoken presentation in French | 4 | 90879 | Internal | N | N |
| Interact in French with your teacher and/or peers (3 mins over 2 recordings) | 5 | 90880 | Internal | N | N |
| Portfolio of writing (2 pieces) of 300 words minimum | 5 | 90882 | Internal | N | N |
| Listening Comprehension | 5 | 90878 | External | N | N |
| Reading Comprehension | 5 | 90881 | External | N | N |

Course costs: \$13.00 for a grammar workbook

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

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.

Geography

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

NCEA Level 1 / Course code: 11GEO

Entry information: There are no prerequisites for the course.

Topics and contexts studied in this course: This is a full year course worth 22 credits. The general aim of the Level 1 Geography course is to have students gain an understanding of environments which are homes for people. Students will begin to understand the important natural and cultural features of the environment and to investigate the associated processes and relationships.

Course content consists of two major topics – natural hazards and population studies, one global pattern topic, one New Zealand based study of a geographic issue. Geographic skills such as map interpretation, construction, analysis, research, fieldwork, evaluation, processing, valuing will be developed. Many of these will have been introduced to students through their existing Social Studies programme.

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.

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 |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Demonstrate geographic understanding of an extreme natural event. | 4 | 91007 | External | Y | N |
| Demonstrate geographic understanding of population concepts. | 4 | 91008 | External | Y | N |
| Apply concepts and basic geographic skills to demonstrate understanding of a given environment. | 4 | 91010 | External | N | Y |
| Conduct geographic research, with direction. | 4 | 91011 | Internal | Y | Y |
| Describe aspects of a contemporary NZ geographic issue. | 3 | 91012 | Internal | Y | N |
| Apply spatial analysis, with direction, to solve a geographic problem | 3 | 91014 | Internal | N | N |

Course costs: Approximately \$35 for skills workbook. Additional cost for field trip to Macraes Mine (TBC)

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.

Potential careers that value learning and skills form 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.

German

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

NCEA Level 1 / Course code: 11GER

Entry information: Ideally you should have completed a full year course in Year 10. 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 in Year 10 and includes:

- Education and future – what you are studying and your goals for the future
- Travel and holidays – including learning about German speaking countries
- Healthy lifestyles – sport, fitness, diet, good and bad habits
- Media and social media – TV, film, books, online habits, pros and cons 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 “Textivate” and “Teachvid”. Contemporary music is included in this course, and we will watch and discuss at least one film and you will have the chance to go to 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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|--|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Give a 1-2 minute spoken presentation in German | 4 | 90884 | Internal | N | N |
| Interact in German with your teacher and/or peers (3 mins over 2 recordings) | 5 | 90885 | Internal | N | N |
| Portfolio of writing (2 pieces) of 300 words minimum | 5 | 90887 | Internal | N | N |
| Listening Comprehension | 5 | 90883 | External | N | N |
| Reading Comprehension | 5 | 90886 | External | N | N |

Course costs: \$13 for a grammar workbook

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

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.

History

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

NCEA Level 1 / Course code: 11HIS

Entry information: There is no specific entry requirement beyond a genuine interest in the past.

Topics and contexts studied could include:

- Black Civil Rights in the USA
- Origins of WWII
- Protest in New Zealand – Anti-nuclear NZ, 1981 Springbok Tour or Land March
- 9/11

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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|--|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Carry out an investigation of an historical event or place | 4 | 91001 | Internal | Y | N |
| Demonstrate understanding of an historical event or place | 4 | 91002 | Internal | Y | N |
| Interpret sources of an historical event | 4 | 91003 | External | Y | N |
| Demonstrate an understanding of different perspectives | 4 | 91004 | Internal | Y | N |
| Describe the causes and consequences of an historical event | 4 | 91005 | External | Y | N |
| Describe how a significant historical event affected New Zealand society | 4 | 91006 | External | Y | N |

Course costs: \$25 – Level 1 History Skills Workbook

Further study from this course:

Within school - Level 2, 3 and Scholarship History.

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

Potential careers that value learning and skills from this course: armed forces, accountancy firms, banks, higher educational institutes, law firms, management consultancies, non-governmental organisations, publishing, schools, state services, and television and radio broadcasters.

Mathematics and Statistics

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

Although there are three choices for Mathematics and Statistics, you will only be able to select 11MAS on the portal when selecting your 2021 subjects. We will work with you upon receiving 2020 results to place you into the most appropriate Mathematics and Statistics course for you.

NCEA Level 1 / Course code: 11MAS1

Entry information: While students may have a preference as to which course they choose, the final placement will be dependent on their performance in Year 10 and advice from their Mathematics and Statistics teacher. All students need to put on their course selection form is Year 11 Mathematics and Statistics (11MAS).

Topics and contexts studied in this course: Number, Algebra, Geometry, Graphing and Statistics.

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

Problem solving, mathematical processes, statistical enquiry.

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 |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Apply numeric reasoning when solving problems | 4 | 91026 | Internal | N | Y |
| Apply algebraic procedures in solving problems | 4 | 91027 | External (September) | N | Y |
| Investigate relationships between tables, equations or graphs | 4 | 91028 | External | N | Y |
| Apply linear algebra in solving problems | 3 | 91029 | Internal | N | Y |
| Apply geometric reasoning in solving problems* | 4 | 91031 | External | N | Y |
| Apply right-angled triangles in solving measurement problems | 3 | 91032 | Internal | N | Y |
| Use statistical methods to make an inference | 4 | 91264 | Internal | Y | Y |
| Demonstrate understanding of chance and data | 4 | 91037 | External | N | Y |

*Not in scheme of work and by request only

Course costs: \$25 for write-on booklets supplied by the Mathematics Department. A scientific calculator, costing approximately \$25.

Further study from this course: This course will lead to Level 2 and Level 3 Mathematics and Statistics courses at school

Potential careers that value learning and skills from this course: The course will be centred around developing and applying mathematical and statistical problem solving and analytical skills. Critical thinking and being able to unpack the question are key ideas in this course. These are valuable skills for those interested in careers in science, health, arts, trades, education, commerce and technology.

NCEA Level 1 / Course code: 11MAS2

Entry information: While students may have a preference as to which course they choose, the final placement will be dependent on their performance in Year 10 and advice from their Mathematics and Statistics teacher. All students need to put on their course selection form is Year 11 Mathematics and Statistics (11MAS).

Topics and contexts studied in this course: Number, Algebra, Geometry, Graphing, Statistics and Trigonometry.

Useful 21st Century skills and competencies you will learn in this course: Problem solving, mathematical processes, statistical enquiry and analytical 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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Apply numeric reasoning when solving problems | 4 | 91026 | Internal | N | Y |
| Apply algebraic procedures in solving problems* | 4 | 91027 | External (September) | N | Y |
| Investigate relationships between tables, equations or graphs | 4 | 91028 | External | N | Y |
| Apply linear algebra in solving problems | 3 | 91029 | Internal | N | Y |
| Apply measurement in solving problems | 3 | 91030 | Internal | N | Y |
| Apply right-angled triangles in solving measurement problems | 3 | 91032 | Internal | N | Y |
| Investigate multivariate data using statistical enquiry cycle | 4 | 91035 | Internal | Y | Y |
| Demonstrate understanding of chance and data | 4 | 91037 | External | N | Y |

*Not in scheme of work and by request only

Course costs: \$25 for write-on booklets supplied by the Mathematics Department. A scientific calculator, costing approximately \$25.

Further study from this course: This course will lead to Level 2 and Level 3 Mathematics and Statistics courses at school.

Potential careers that value learning and skills from this course: The course will be centred around developing and applying mathematical and statistical problem solving and analytical skills. Critical thinking and being able to unpack the question are key ideas in this course. These are valuable skills for those interested in careers in science, health, arts, trades, education, commerce and technology.

NCEA Level 1 / Course code: 11MAS3

Entry information: While students may have a preference as to which course they choose, the final placement will be dependent on their performance in Year 10 and advice from their Mathematics and Statistics teacher. All students need to put on their course selection form is Year 11 Mathematics and Statistics (11MAS).

Topics and contexts studied in this course: Number, Geometry, Graphing, Statistics and Measurement

Useful 21st Century skills and competencies you will learn in this course: Problem solving, mathematical processes, statistical enquiry.

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 |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Apply numeric reasoning when solving problems | 4 | 91026 | Internal | N | Y |
| Apply linear algebra to solving problems | 3 | 91029 | Internal | N | Y |
| Apply measurement in solving problems | 3 | 91030 | Internal | N | Y |
| Apply right-angled triangles in solving measurement problems | 3 | 91032 | Internal | N | Y |
| Apply transformation geometry | 2 | 91034 | Internal | N | Y |
| Investigate multivariate data using statistical enquiry cycle | 4 | 91035 | Internal | Y | Y |
| Investigate bivariate measurement data | 3 | 91036 | Internal | Y | Y |
| Demonstrate understanding of chance and data | 4 | 91037 | External | N | Y |
| Investigate a situation involving elements of chance | 3 | 91038 | Internal | Y | Y |

Course costs: \$25 for write-on booklets supplied by the Mathematics Department. A scientific calculator, costing approximately \$25.

Further study from this course: This course will lead to some Level 2 Mathematics courses.

Potential careers that value learning and skills from this course:

The course will be centred around developing and applying mathematical and statistical problem solving and analytical skills. Critical thinking and being able to unpack the question are key ideas in this course. These are valuable skills for those interested in careers in science, health, arts, trades, and education.

Workshop Technology Metal

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

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

NCEA Level 1 / Course code: 11WTM

Entry information: Experience in Year 10 Workshop Technology Metal is preferred but not essential.

Topics and contexts studied in this course: Aluminium Casting and Prototype design and construction.

Useful 21st Century skills and competencies you will learn in this course: Workshop safety Design process, CNC design and programming, correct use and care of hand, power and machine tools. Marking out, cutting, shaping, forming 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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Demonstrate knowledge of safety procedures in a specific workshop | 2 | 22926 | Internal | N | N |
| Undertake development to make a prototype to address a brief | 6 | 91047 | Internal | N | N |
| Demonstrate basic engineering workshop skills under close supervision | 12 | 22923 | Internal | N | N |

Course costs: A base fee of \$80 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 2 (Year 12). 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 others 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 1 / Course code: 11MUS

Entry information: Music in Years 9 and 10 is preferred but is not essential. Students need the ability to perform on an instrument/vocal. It is recommended that Students are taking lessons for their instrument.

Topics and contexts studied in this course:

- Performance
- Music Technology
- Theory
- Film Music
- Various Genres
- Composition/Songwriting

Useful 21st Century skills and competencies you will learn in this course: Creative thinking, confidence in performing and speaking to an audience, 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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|---|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Perform two pieces of music as a featured soloist. | 6 | AS91090 | Internal | N | N |
| Demonstrate ensemble skills through performing a piece of music as a member of a group. | 4 | AS91091 | Internal | N | N |
| Compose two original pieces of music. | 6 | AS91092 | Internal | N | N |
| Demonstrate aural and theoretical skills through transcription. | 4 | AS91093 | External | N | N |
| Demonstrate knowledge of conventions used in music scores. | 4 | AS91094 | External | N | N |
| Demonstrate knowledge of two music works from contrasting contexts. | 6 | AS91095 | 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 from this course: Collaboration, communication, and creativity serve you well in a variety of fields: musician, accompanist, music production, composer, songwriter, arranger, film scorer, education.

Applied Physical Education

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

NCEA Level 1 / Course code: 11APP

Entry information: Students need to have shown commitment to fully participate in the practical aspects of this subject in Years 9 and 10.

Topics and contexts studied in this course: This 22-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. They will be able to demonstrate knowledge of how their body functions and what effects exercise has on the quality of movement.

Useful 21st Century skills and competencies you will learn in this course: Emphasis is placed on the development of teamwork and interpersonal 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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|---|---------|-----------------------------|--|------------------------------------|--|
| Participate actively in a variety of physical activities | 5 | 90962 | Internal | N | N |
| Knowledge of the body structure and functioning | 5 | 90963 | Internal | Y | N |
| Demonstrate quality movement in a physical activity | 3 | 90964 | Internal | N | N |
| Demonstrate interpersonal skills in a group and the impact of these skills on others | 4 | 90966 | Internal | Y | N |
| Take action to assist others to participate in physical activity | 2 | 90969 | Internal | N | N |
| Demonstrate self-management strategies and describe the effects on participation in physical activity | 3 | 90970 | Internal | Y | N |

Course costs: The School Physical Education uniform is compulsory to wear. A house singlet is also available to purchase. There is a High-Performance Sport fee of \$50.

Further study from this course: Internally into Level 2 Physical Education and Level 2 Applied Physical Education Sport.

Potential careers that value learning and skills from this course: Externally into the Health and Fitness industry.

Science

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

NCEA Level 1 / Course code: 11SCI

Entry information: There are no entry requirements.

Topics and contexts studied in this course: In this year 11 course you will study reaction rates, geology, microbes, carbon chemistry and mechanics. The aim is to show you a variety of skills and knowledge over the course of the year. Our aim is to give you the skills to continue studying science into the future.

Useful 21st Century skills and competencies you will learn in this course: You will learn about investigative work and practical skills, research and group work. You will also be able to present work in a variety of ways and work on individual projects.

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 |
|-------------------|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Investigation | 4 | 90930 | Internal | N | Y |
| Microbes | 4 | 90950 | Internal | N | N |
| Astronomy | 4 | 90954 | Internal | Y | N |
| Carbon chemistry | 4 | 90932 | External | N | N |
| Mechanics | 4 | 90940 | External | N | Y |

Course costs: \$20 for external study books and exercise book.

Further study from this course: This course is an ideal preparation for studying Biology, Chemistry, Physics, Earth and Space Science or Agricultural Science in years 12 and 13.

Potential careers that value learning and skills from this course: A wide variety of careers require a knowledge of Science.

Te Reo Māori

For further information please contact Mr Brent Matehaere – brent.matehaere@obhs.school.nz

NCEA Level 1 / Course code: 11MAO

Entry information: Year 10 Te Reo Māori or a reasonable base in Te Reo.

Topics and contexts studied in this course: This full year course is worth a total of 30 credits. It develops the skills of listening, writing, reading and speaking in Te Reo Māori. The course topics are based on the students themselves, their families, their interests, hobbies, and a range of every day topics, for example kei te kainga, hui marae, kei te kura, and te ao taiohi. The course also aims to deepen students' awareness and understanding of Māori culture and protocol.

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.

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 |
|--|---------|-----------------------------|--|---------------------------------|---------------------------------|
| Whakarongo kia mōhio ki te reo o tōna ao | 6 | 91085 | Internal | Y | N |
| Kōrero kia whakamahi i te reo o tōna ao | 6 | 91086 | Internal | Y | N |
| Pānui kia mōhio ki te reo o tōna ao | 6 | 91087 | External | Y | N |
| Tuhi i te reo o tōna ao | 6 | 91088 | External | Y | N |
| Waihanga tuhinga i te reo o tōna ao | 6 | 91089 | Internal | Y | N |

Course costs: Nil

Further study from this course: Te Reo Māori 2 (Year 12), 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 to 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.

Workshop Technology Wood

For further information please see or contact Mr Peter Odgers - peter.odgers@obhs.school.nz

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

NCEA Level 1 / Course code: 11WTW

Entry information: Preferably a student should have successfully completed a Yr 10 course in either Wood or Metal Technology. Students must have a good work ethic, be enthusiastic and take pride in the work that they produce.

Topics and contexts studied in this course: Students design and construct a cabinet of their choice using traditional methods. The use of the CNC Router can be used to further enhance their cabinet and develop modern skills.

Useful 21st Century skills and competencies you will learn in this course: Creativity, eye-hand co-ordination, develop work ethic, neatness and accuracy, social skills, correct use of hand tools and machines, 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 Level 1 Literacy | Counts towards Level 1 Numeracy |
|-----------------------------|---------|-----------------------------|---|------------------------------------|---------------------------------------|
| Brief Development | 4 | A/S 91044 | Internal | N | N |
| Implement basic procedures | 6 | A/S 91057 | Internal | N | N |
| Handmade joints | 3 | U/S 18917 | Internal | N | N |
| Use and maintain hand tools | 4 | U/S 2199 | Internal | N | N |
| Construct a basic carcass | 6 | U/S 18918 | Internal | N | N |

Course costs: \$80 which covers the cost of timber, screws, glue and sandpaper. Hinges, handles and catches are to be bought by the students.

Further study from this course: Level 2 Technology Wood.

Potential careers that value learning and skills from this course: Any profession where an importance of eye-hand co-ordination is required. Any trade requiring practical skills.

Notes/questions I may have for teachers/deans

Vocational Pathways in 2021

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;

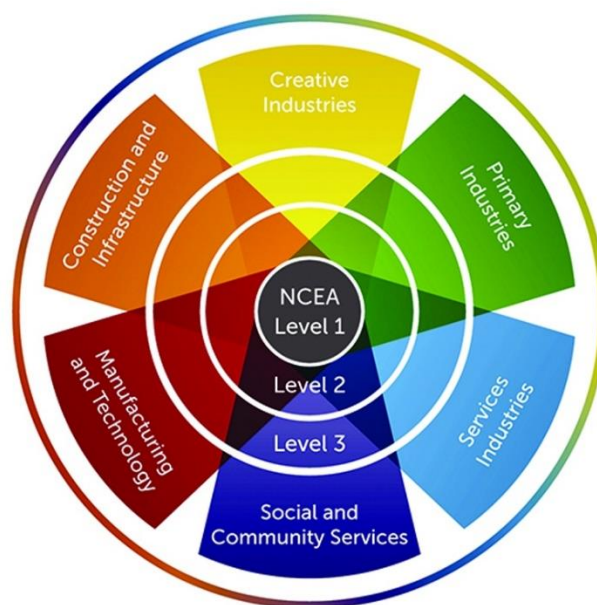
Primary Industries;

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.



The following tables provide information for Level 1 students in 2020 as to how their NCEA Level 1 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 1

| | Construction and Infrastructure | Primary Industries | Social & Community Services | Manufacturing and Technology | Service Industries | Creative Industries |
|---------------------------------|---------------------------------|------------------------|-----------------------------|------------------------------|------------------------|------------------------|
| Accounting | | 7 recommended credits | | | 24 recommended credits | 24 recommended credits |
| Agriculture | | 23 recommended credits | | | | |
| Art | | | | | 4 recommended credits | 20 recommended credits |
| Design and Visual Communication | 21 recommended credits | | | 21 recommended credits | | 21 recommended credits |
| Digital Technology | 6 recommended credits | 16 recommended credits | 6 recommended credits | 22 recommended credits | 8 recommended credits | 22 recommended credits |
| Digital Media Studies | | 4 recommended credits | 4 recommended credits | | 7 recommended credits | 20 recommended credits |
| Economics | | 24 recommended credits | 3 recommended credits | | 24 recommended credits | 24 recommended credits |
| English | 28 recommended credits | 28 recommended credits | 28 recommended credits | 14 recommended credits | 28 recommended credits | 28 recommended credits |

| | Construction and Infrastructure | Primary Industries | Social & Community Service | Manufacturing and Technology | Service Industries | Creative Industries |
|-----------------------|---------------------------------|------------------------|----------------------------|------------------------------|------------------------|------------------------|
| English Communication | 12 recommended credits | 12 recommended credits | 12 recommended credits | | 12 recommended credits | 12 recommended credits |
| Food and Nutrition | | 5 recommended credits | 5 recommended credits | | 17 recommended credits | |
| French | | 9 recommended credits | 5 recommended credits | | 14 recommended credits | 10 recommended credits |
| Geography | 4 recommended credits | 15 recommended credits | 3 recommended credits | | 22 recommended credits | 18 recommended credits |
| German | | 9 recommended credits | 5 recommended credits | | 14 recommended credits | 10 recommended credits |
| History | | | 20 recommended credits | | 8 recommended credits | 24 recommended credits |
| Mathematics (1) | 16 recommended credits | 23 recommended credits | 4 recommended credits | 16 recommended credits | 12 recommended credits | 23 recommended credits |
| Mathematics (2) | 15 recommended credits | 22 recommended credits | 4 recommended credits | 15 recommended credits | 12 recommended credits | 22 recommended credits |
| Mathematics (3) | 12 recommended credits | 22 recommended credits | 3 recommended credits | 12 recommended credits | 13 recommended credits | 22 recommended credits |

| | Construction and Infrastructure | Primary Industries | Social & Community Service | Manufacturing and Technology | Service Industries | Creative Industries |
|--------------------|---|------------------------|----------------------------|---|------------------------|------------------------|
| Metal Technology | 10 recommended credits | 24 recommended credits | | 24 recommended credits | | 6 recommended credits |
| Music | | | | | | 24 recommended credits |
| Physical Education | | 5 recommended credits | 22 recommended credits | | 22 recommended credits | 22 recommended credits |
| Science | 12 recommended credits | 20 recommended credits | 8 recommended credits | 20 recommended credits | 12 recommended credits | 24 recommended credits |
| Te Reo Maori | | 30 recommended credits | 30 recommended credits | | 30 recommended credits | 30 recommended credits |
| Wood Technology | 13 sector credits 10 recommended credits | 10 recommended credits | | 13 sector credits 10 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 Engineer | Accounts Officer | Advertising Specialist |
| Boat Builder | Animal Attendant | Anaesthetist | Architect | Actuary | Animator |
| Bricklayer | Aquaculture Farmer | Animal Attendant | Automotive Electrician | Administration Officer | Architect |
| Building Contractor | Arborist | Audiologist | Automotive Mechanic | Advertising Specialist | Architectural Technician |
| Building Inspector | Beekeeper | Biomedical Engineer | Baker | Air Force Serviceman | Archivist |
| Cabinet Maker | Biochemist | Biosecurity Officer | Biochemist | Army Serviceman | Art Director |
| Caretaker | Biosecurity Officer | Building Inspector | Biomedical Engineer | Auctioneer | Artist |
| Carpenter | Biotechnologist | Chiropractor | Boat Builder | Bank Worker | Artistic Director |
| Civil Engineer | Crop / Dairy Farmer | Community Worker | Brewer | Barrister | Author |
| Concrete Worker | Dairy Products Maker | Corrections Officer | Butcher | Beauty Therapist | Beauty Therapist |
| Construction Manager | Dog Trainer | Conservator | Cabinet Maker | Bus Driver | Boat Designer |
| Crane Operator | Energy Auditor | Counsellor | Chemical Engineer | Café Worker | Body Artist |
| Draughtsperson | Environmental Engineer | Customs Officer | Chemist | Carpet Cleaner | Camera Operator |
| Diver | Environmental Scientist | Curator | Civil Engineer | Cashier | Clothing Designer |
| Driller | Farm Worker | Dental Technician | Clothing Designer | Chef | Clothing Pattern Maker |
| Electrician | Fencer | Dentist | Clothing Marker/Cutter | Chemist | Conservator |
| Environmental Engineer | Fishery Officer | Dietitian | Computer Systems Technician | Courier | Copywriter |
| Floor and Wall Tiler | Fishing Skipper | Early Childhood Teacher | Dairy Products Maker | Data Entry Operator | Curator |
| Floor Covering Installer | Food Technologist | Environmental Scientist | Database/Systems Administrator | Dietician | Dancer |
| Fork-lift Operator | Forestry Worker | Firefighter | Electrical Engineer | Driver | Director |
| General Labourer | Gardner | Foreign Policy Officer | Food and Beverage maker | Dry-Cleaner | Dressmaker |
| Glazier | General Labourer | Forensic Scientist | Factory Worker | Economist | Editor |
| Interior Designer | Geologist | General Practitioner | Furniture Finisher | Events Manager | Events Manager |
| Joiner | Geophysicist | Health and Safety Inspector | Game Developer | Financial Advisor | Exhibition Technician |
| Landscape Architect | Groundsperson | Immigration Officer | Glass Processor | Fitness Instructor | Film and Video Editor |
| List Technician | Horse Trainer | Interpreter | Industrial Designer | Flight Attendant | Florist |
| Locksmith | Horticultural Scientist | Laboratory Technician | Jeweller | Funeral Director | Game Developer |
| Metal Worker | Hunter/Trapper | Lecturer | Joiner | Graphic Designer | Graphic Designer |
| Miner | Landscape Architect | Librarian | Marine Engineer | Hairdresser | Hairdresser |
| Mining Engineer | Landscape Gardner | Medical Technician | | Historian | Industrial Designer |
| Painter and Decorator | Marine Biologist | Midwife | | Insurance Agent | Interior Designer |
| Plasterer | Meat Inspector | | | 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

<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.

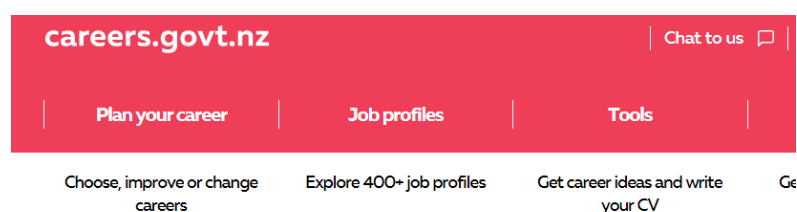
About



STUDENTS KEY INFO.

GET QUALS & SKILLS VALUED BY EMPLOYERS

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

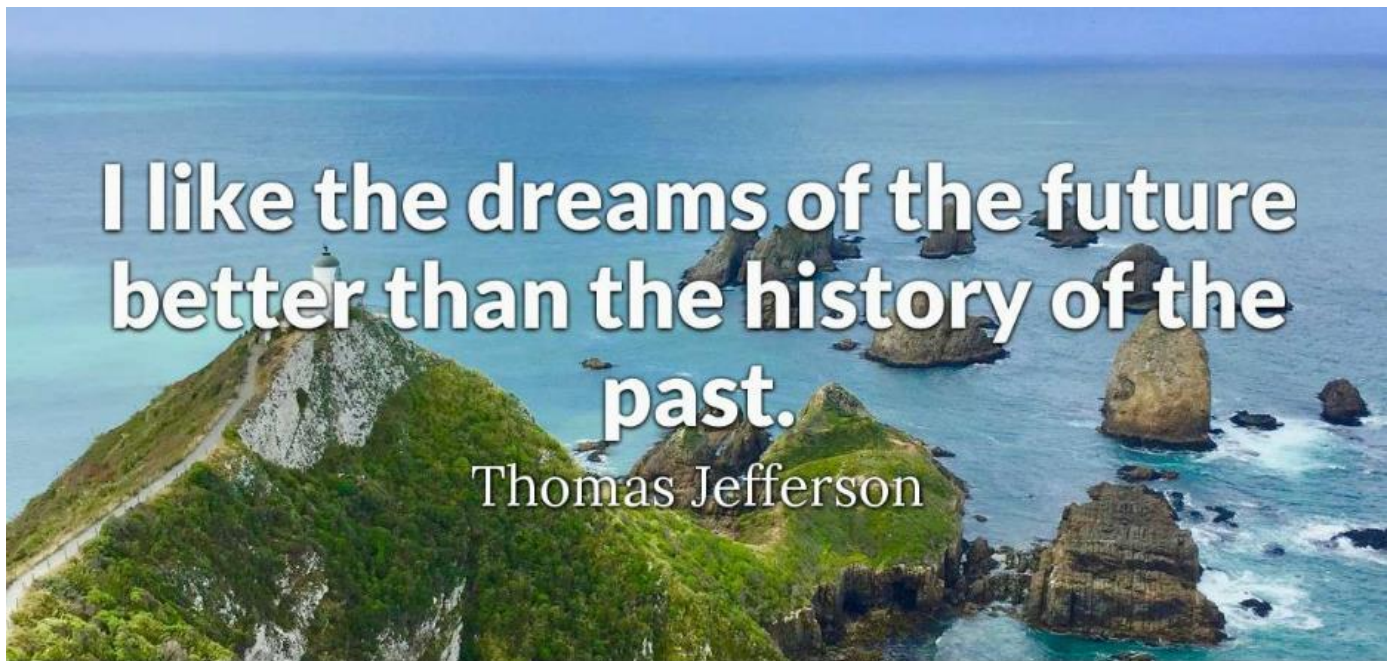


Improving career outcomes

Te whakapai ake i ngā hua o ngā kōwhiringa ā-mahi

Providing information and tools to help New Zealanders with lifelong education and career decisions

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



I like the dreams of the future
better than the history of the
past.

Thomas Jefferson

**Good luck for 2021 and beyond.
Otago Boys' is here to support you as much
as we can in your journey through NCEA**