WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

CURRICULUM GUIDE

YEAR 12

2022

www.wbhs.co.nz

WELCOME TO OUR CURRICULUM GUIDE 2022

This publication contains all of the courses for Year 12 at Whangārei Boys' High School.

The curriculum guides for other year levels are available online at www.wbhs.school.nz or by request.

Students should select courses in consultation with parents/caregivers and following academic guidance with Whānau Teachers and/or Deans. Our students should take a long term view to their academic planning and ensure they understand how subject areas develop and where they lead.

The curriculum guides contain descriptions of the subject and, in the case of the senior year levels, concise statements about assessments for the subject. It is important to note that, in the senior school, the listed subjects run conditional on the number of students taking that class. During the academic guidance process, students may select a subject which, due to very low numbers, may not be included in the 2022 timetable. In those cases, students will be asked to re-select. Acceptance in a subject may, in some cases, be dependent on a student's level of positive engagement with learning.

At Years 11 through to 13 Achievement Standard and Unit Standard credits will contribute towards NCEA Levels 1, 2 or 3. Compulsory subjects in the senior school are Year 11 English and Year 11 Mathematics.

The Curriculum broadens at senior level to include a number of courses which offer students opportunities to follow specific vocational interests. The Gateway and Academy programmes are also available to senior students. They allow students to gain practical experience and assessment in the workplace. They also assist students to decide on their preferred type of employment and, in some cases, for employers to look at them as prospective employees. Many of these students go on to be apprentices.

The selection of subjects is an important process, one that requires the input of parents, caregivers and staff alike. We encourage you and your son to take the time to examine carefully the information contained in this curriculum guide.

Subject Selection Evening for students and parents/caregivers to discuss subject selection for 2022 will be held at 5.30 – 7.30pm on Wednesday 4 August 2021, in the School Hall.

Subject selection for current students can be made via the KAMAR portal by Wednesday 11 August 2021. Parents will be sent details of how to do this. Otherwise, subject selection will be completed through an appointment with the Deans.

For students new to the school in 2022, the Deans are available by appointment for subject discussion and selection.

As the Curriculum continues to evolve and respond to new challenges and needs, we invite feedback and suggestions.

Please feel free to contact the Curriculum Committee, via the Deputy Principal, Mr Keir Morrison. The National Curriculum offers the flexibility for schools to tailor programmes to the strengths and needs of their communities.

We trust that, along with our academic guidance, our Curriculum Guide 2022 will inform and assist you with the important planning and decision-making for future learning.

Yours sincerely,

Karen Gilbert-Smith
– PRINCIPAL

KEY DATES

2021

Wed	**4**	**Aug**	Subject Selection Evening 5:30pm - 7:30pm For students in Years 9 - 12 selecting 2022 subjects Senior staff, Head of Faculty staff, and Deans will be available to discuss subject selection with students and parents/caregivers
Thu	**5**	**Aug**	Year 8 Open Evening 4:30pm - 7:00pm For students and parents/caregivers Tours will commence at 4:30pm, and the formal presentation will be from 6:00pm - 7:00pm Subject displays will be in the School Hall
Wed	**11**	**Aug**	Final day for online subject selection via parent portal - for Years 11 - 13 students selecting 2022 subjects
Wed	**18**	**Aug**	Final day for online subject selection via parent portal - for Year 10 students selecting 2022 subjects
Wed - Thu	**18 - 19**	**Aug**	Year 8 Enrolment Interviews in the School Hall - bookings are made through the School Office

2022

Tue - Thu	**25 - 27**	**Jan**	Years 9 – 13 Deans available for subject consultation for all returning students and new enrolments

USEFUL WEBSITES

Career Central – www.careercentral.school.nz

Vocational Pathways – www.youthguarantee.net.nz

Careers New Zealand – www.careers.govt.nz

Occupation Outlook app – www.occupationoutlook.mbie.govt.nz

Just the Job – www.justthejob.co.nz

Student loans and allowances – www.studylink.govt.nz

Fees Free, Tertiary Education Committee – www.feesfree.govt.n

ACADEMIC COURSES 2022

YEAR 9
Students study 9 compulsory subjects and 6 option subjects. The selection must include at least one of Art, Drama, and/or Music.

YEAR 10
Students study 6 compulsory subjects and 6 option subjects. The selection must include at least one of Art, Drama, Music, Junior Performing Arts and/or Photography and Design. The selection must also include one of Design & Visual Communication, Digital Technology, Electronics, Food Technology, Materials Technology Metal, Materials Technology Wood, and/or Product Design.

YEAR 11
Mathematics and English are compulsory. Students study six subjects all year.

YEAR 12
Students select six subjects and a spare subject. It is important to identify subjects that lead to the trades and those that prepare students for University Entrance. It is possible to repeat Level 1.

YEAR 13
Students select five subjects and a spare. They may also select from Years 11 and 12 subjects.

SUPPORTED LEARNING
Extra learning support in a safe environment for those who do not cope with the structure of secondary school.

FACULTY	YEAR 9	YEAR 10	YEAR 11 - LEVEL 1	YEAR 12 - LEVEL 2	YEAR 13 - LEVEL 3
The Arts	* Art * Drama * Music	* Art * Drama * Music * Junior Performing Arts * Photography and Design	Art Digital Art Drama Music	Art Design Art Painting Drama Music Photography	Art Design + Art Painting + Drama+ Music + Photography +
Health & Physical Education	✓ Health ✓ Physical Education * Outdoor Education * Sports Specific Training	✓ Health ✓ Physical Education * Outdoor Education * Sports Specific Training	Health Physical Education Physical Well-being Outdoor Education Personal & Social Development	Health Physical Education Physical Well-being Outdoor Education Personal & Social Development	Health + Physical Education + Physical Well-being Outdoor Education Personal & Social Development
Languages	✓ English * Japanese * Spanish * Languages via FarNet ✓ Te Reo Māori * Junior Maori Arts * Te Reo Rangatira ESOL	✓ English * Japanese * Languages via FarNet * Junior Maori Arts * Te Reo Rangatira ESOL	English English Language & Communication English Literacy Japanese Languages via FarNet Senior Māori Arts Te Reo Rangatira ESOL	English English Language & Communication Japanese Languages via FarNet Senior Māori Arts Te Reo Rangatira ESOL	English + English Language & Communication Japanese + Languages via FarNet Senior Māori Arts Te Reo Rangatira + ESOL
Mathematics	✓ Mathematics	✓ Mathematics	Mathematics with Externals Mathematics with Internals Mathematics Numeracy	Mathematics with Externals Mathematics with Internals	Mathematics with Calculus + Mathematics with Internals+ Mathematics with Statistics +
Sciences	* Agriculture/Horticulture ✓ Science	* Agriculture /Horticulture ✓ Science	Agriculture/Horticulture Science External Science Primary Industries	Agriculture/Horticulture Biology Science Primary Industries Chemistry Physics Forestry	Agriculture/Horticulture (FarNet) + Science + Biology + Chemistry + Physics + Forestry
Social Sciences	* Start Your Own Business * The World of Money * Ancient Mythology ✓ Social Studies	* Crunching Numbers * Enterprise * Economics * Wealth by Stealth * Classical Studies * History ✓ Social Studies	Accounting Business Studies Economics Getting Work Ready Classical Studies Geography History	Accounting Business Studies Economics Personal Financial Management Sales & Customer Service Tourism & Travel Classical Studies Geography History Psychology	Accounting + Business Studies + Economics + Personal Financial Management Sales & Customer Service Tourism & Travel Classical Studies + Geography + History + Psychology +
Technology	✓ Materials Technology * Digital Technology * Design & Visual Communication * Food Technology	* Digital Technology * Electronics * Product Design * Materials Technology Metal * Material Technology Wood * Design & Visual Communication * Food Technology	Design & Visual Communication Digital Technology Electronic Products Product Design Advanced Engineering Advanced Woodwork Engineering Trade Academy Food Technology	Design & Visual Communication Digital Technology Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork Engineering Trade Academy	Design & Visual Communication + Digital Technology + Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork

✓ These subjects are compulsory * Option subjects + Approved subjects for University Entrance
FarNet is on line learning via ZOOM. It is similar to Correspondence but with more tutor and class interaction. Students also receive individual assistance from a trained teacher.

YEAR 12 DEANS' LETTER

There are no compulsory subjects in Year 12 and progression/admission to Year 12 courses depends on students meeting the criteria of each subject.

Students at this year level study six subjects. During this year students may also start working towards University Entrance by obtaining the required 5 reading and 5 writing literacy credits in various language rich subjects. However, we realise that university is not the pathway for all students. There are many courses, apprenticeships and other trade related areas students can, and often do, move on to. These may involve work placements throughout the year in areas of interest to ascertain suitability.

In order to achieve NCEA Level 2, students must gain at least 80 credits from either Achievement Standards or Unit Standards. 60 of the 80 credits must be at Level 2 or above, plus 20 credits from Level 1 or above. The Level 1 literacy and numeracy requirements must also be met (a minimum of 10 literacy credits and 10 numeracy credits at Level 1 or above).

Students may also have their NCEA Endorsed with either Excellence or Merit. To do this, they must achieve 50 credits at Excellence (for Excellence) or 50 credits at either Merit or Excellence (for Merit).

Individual subjects may also be Achieved with Endorsement. This requires that the student, in the subject, and in that year, gains:

- 14 or more credits at Merit or Excellence
- At least 3 credits must come from externally assessed standards and 3 from internally assessed standards. This does not apply to Physical Education, Religious Studies or Level 3 Visual Arts.

It is essential that students consider the qualification(s) they wish to gain during their secondary schooling. Combinations of subjects may lead to NCEA Level 2 and National Certificates on the NZQA Qualification Framework.

During subject selection, guidance is available from your Whanau Teachers, Deans, Subject Teachers, and Careers.

YEAR 12 DEANS

YEAR 12 ASSESSMENT INFORMATION

Grades that may be awarded for each Achievement Standard are:

- Achieved with Excellence
- Achieved with Merit
- Achieved
- Not Achieved

If a student meets the standard they receive the credits regardless of the grade awarded.

For most Unit Standards a student will receive the following awards:

- Achieved
- Not Achieved

For all assessment matters refer to the Senior Assessment Booklet updated and produced each year for distribution to senior students

NEW ZEALAND QUALIFICATIONS AUTHORITY (NZQA)

NZQA administers the National Qualifications Framework (NQF), which is a system designed to recognise the attainment of knowledge, understanding and skills by all people in New Zealand. Framework qualifications are quality assured and nationally recognised.

Learners who register on the Framework are able to accumulate credits over time and at their own pace as they work towards a qualification.

NATIONAL CERTIFICATE OF EDUCATIONAL ACHIEVEMENT (NCEA)

NCEA is the main secondary school qualification in New Zealand for Year 12 students.

To gain an NCEA Level 2 qualification, a student must perform against pre-determined standards. These standards may be called Achievement Standards or Unit Standards. Each standard is allocated a certain number of credits. When a student has accumulated 80 credits, of which 60 are at Level 2 or above, plus

20 credits at Level 1 or above, and has met the Level 1 literacy and numeracy requirements (10 literacy credits and 10 numeracy credits), they may be awarded the NCEA Level 2 qualification.

VOCATIONAL PATHWAY AWARD

Gain 60 NCEA Level 2 credits relevant to your chosen pathway including 20 Level 2 credits from the industry related sector.

VOCATIONAL PATHWAYS

Creative, Cultural & Recreational Industries

- Actor
- Advertising Executive
- Animator
- Artist
- Copywriter
- Fashion Designer
- Graphic Designer
- Musician
- Photographer
- Publisher
- Stage/Set Designer
- Web Designer

Health, Community & Social Industries

- Ambulance Officer
- Chiropractor
- Counsellor
- Dentist
- Doctor
- Educator
- Nurse
- Osteopath
- Pharmacist
- Physiotherapist
- Surgeon
- Social Worker

Services Industries

- Aviation
- Bar Manager
- Baker
- Chef
- Customs Officer
- Firefighter
- Hairdresser
- Hospitality Worker
- Cleaner
- Police Officer
- Retail Salesperson
- Hotel/Restaurant Manager
- Travel Agent

Primary Industries

- Animal Attendant
- Beekeeping
- Dairy Farmer
- Ecologist
- Forestry
- Fishery Officer
- Horticultural Worker
- Landscape Gardener
- Marine Biologist
- Microbiologist
- Winemaker
- Veterinarian

Construction & Infrastructure Industries

- Architect
- Builder
- Carpenter
- Driller
- Electrician
- Glazier
- Mining
- Planner
- Plumber
- Roading
- Roofing
- Surveyor

Manufacturing, Engineering, Logistics & Technology Industries

- Automotive
- Boat Builder
- CAD Operator
- Designer
- Truck Driver
- Engineer
- Fabrication
- Machine Operator
- Photographer
- Fork-lift Operator
- Programmer
- Technician
- Telecommunications
- Website Developer

Note: English and Mathematics are compulsory until NCEA Level 1.

It is important to include English, Mathematics and Science for most career options.

- Drama
- Dance
- Māori Performing Arts
- Music
- Media Studies
- Art Design
- Art
- Photography
- DVC
- Science
- Digital Technology
- Physical Education
- Maths
- Biology
- Outdoor Education
- Sales & Customer Service

- Science
- Health
- Chemistry
- Maths
- Physics
- Biology
- Language
- Geography
- Social Studies
- History
- Psychology
- Economics
- Statistics

- Business Studies
- Economics
- Sales & Customer Service
- Accounting
- Geography
- Tourism
- Languages
- Digital Technology
- Science
- Hospitality
- Psychology
- Food Technology

- Agriculture/ Horticulture
- Economics
- Science
- Chemistry
- Accounting
- Forestry
- Primary Industries
- Biology
- Business Studies

- Woodwork
- DVC
- Metalwork
- Maths
- Automotive
- Science
- Physics
- Chemistry
- Geography
- Sales & Customer Service
- Digital Technology
- Language Rich Subject
- Calculus

- Maths
- Sciences
- Metalwork
- Physics
- Chemistry
- Digital Technology
- Language Rich Subject
- Geography
- Automotive
- Woodwork
- Calculus
- Electronics

ADDITIONAL PATHWAYS OF LEARNING

FARNET

FarNet is available to domestic and international students. Students study via a mix of the internet and Google Hangout lessons with a distance tutor. FarNet is available where students have a clash of two timetabled subjects and both compliment their learning pathway. FarNet may also be available where Whangārei Boys' High School is not offering a subject that interests the student e.g. a Language.

Once a week the boys converse online with their tutor and students in other schools. Other learning activities are accessed online during the rest of the timetabled classes.

TE KURA
(THE CORRESPONDENCE SCHOOL)

This is offered to students online who have New Zealand Citizenship and are wanting a subject where Whangārei Boys' High School does not have a class. Boys work in a supervised classroom and have access to one-on-one teacher assistance.

Te Kura and **FarNet** students need to meet pre-requisites and must be self-directed.

Contact persons: Mrs Miller & Deans

GATEWAY

This is structured workplace learning, mostly for students in Years 12 and 13. They experience an unpaid placement in a work place which interests them for one day each week for six to ten weeks. The work placement may occur during the school holidays.

Boys should express their interest in a Gateway placement when they select their subjects.

Examples are:

- Trades Engineering
- Retail
- Electrical
- Plumbing
- Sport & Recreation
- Building
- Computing
- Automotive

Contact persons: Mrs Draper & Deans

TRADE ACADEMIES

Whangārei Boys' High School has opportunities in the Trades Academies available in Engineering, Cookery, Automotive, Civil Construction, Design, and Primary Industries.

The fulltime L1 or L2 Engineering Trade Academy (ENAC) is delivered onsite at Whangārei Boys' High School. Boys are enrolled in English and Mathematics with the remainder of the time designing and building Engineering and Automotive projects.

The other academies are one or two days delivered at NorthTec, The Design School or Wilson Trade Academy (new for 2021).

To be considered for a place in a Trades Academy boys need to have a conversation with one of their Deans or a Trades Academy Coordinator and select Pre-trade Engineering & Automotive, and Business Studies or Personal Financial Management and Mathematics, English and Science.

Students accepted into the **Primary Industries Trade Academy** study aspects of the industry as a whole in class but also have many opportunities for active learning in areas such as Pest Control, Fencing, Chainsaw Use & Safety, Work Safe & First Aid, Riparian Planting, and Pollution Control. To be considered for a place in the Primary Industries Academy boys must select the Primary Industry subject and show a genuine interest in this industry.

Contact persons: Mrs P. O'Leary, Miss D. Thompson, & Deans

ARTS FACULTY

ART DESIGN (12ARD)

Students will investigate design conventions and techniques by developing a range of skills from drawing and illustration through to computer-based graphic, 3D, and motion design using software such as Photoshop. An interesting range of projects and design briefs extend students and develop creative problem-solving skills.

Students will prepare a workbook and present a folio of work for external moderation.

Entry requirement: Level 1 Art, Level 1 Digital Art or HoD discretion.

An understanding of basic computing skills in particular Photoshop and/or 3D modelling programs would be an advantage but not essential.

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91310	Use drawing methods to apply knowledge of conventions appropriate to design	I	4
91315	Develop ideas in a related series of drawings appropriate to established design practice	I	4
91320	Produce a systematic body of work that shows understanding of art making conventions and ideas within Design	E	12

Cost: $30.00 to cover the take-home component of the course and an additional printing costs of $20 to be paid separately to the office where it will be credited to the student's printing account.

Contact persons: Mrs V. Luders & Mr M. Allen

ART PAINTING (12ARP)

In this course, students will research contemporary artists (New Zealand and International) as models for the development of ideas for their artworks. Students are required to incorporate and extend aspects of the artist models pictorial conventions into their own works. Ideas will be resolved to a high degree of technical facility and complexity. The course culminates in the production of the external folio boards where students can demonstrate the synthesis and regeneration of their ideas in a cohesive body of work.

Entry requirement: NCEA Level 1 Art, Level 1 Digital Art or HoD discretion

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91311	Use drawing methods to apply knowledge of conventions appropriate to painting	I	4
91316	Develop ideas in a related series of drawings appropriate to established painting practice	I	4
91321	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	E	12

Cost: $30 take-home component for students carrying on from year 11. $40 for students **new to the subject** to cover the cost of an art folio. There may be costs to help pay for field trips.

Contact person: Mrs V. Luders

PHOTOGRAPHY (12PHO)

Level 2 Photography investigating artist models, techniques and digital photography skills. Students will prepare a workbook and present a folio of work for external moderation.

Entry requirement: Level 1 Art, Level 1 Digital Art or HoD discretion

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91312	Use drawing methods to apply knowledge of conventions appropriate to photography	I	4
91317	Develop ideas in a related series of drawings appropriate to established photography practice	I	4
91322	Produce a systematic body of work that shows understanding of art making conventions and ideas within photography	E	12

Cost: $30.00 to cover the take-home component of the course and an additional printing costs of $20 to be paid separately to the office where it will be credited to the students printing account.

Students are encouraged to have their own SLR Digital camera or hire a camera from the Art Department. Charge for camera hire is $50 with $25 bond being refundable.

Contact persons: Mrs C. Fleming & Mrs V. Luders

DRAMA (12DRA)

This course develops students' understanding of theatre and the skills associated with performing. Students will develop self-management in their learning and preparing roles. They will have the opportunity to create their own drama and to perform key roles within a full-length play. There will also be the opportunity to take part in the University of Otago Sheilah Winn Shakespeare Festival.

Entry requirement: At least 9 credits at NCEA Level 1, which may be waived at the discretion of the HoD where a student has demonstrated an appropriate level of performance skills.

Achievement Standards offered:

	Level 2:	Title of Standard:	I or E *	Cr *
R	91213	Apply drama techniques in a scripted context	I	4
	91214	Devise and perform a drama to realise an intention	I	5
R	91216	Use complex performance skills associated with a drama form or period	I	4
R	91218	Perform a substantial acting role in a scripted production	I	5
W	91219	Discuss drama elements, techniques, conventions and technologies within live performance	E	4
R W	91215	Discuss a drama theatre form or period with reference to a text	E	4

The external examinations are optional and offer the opportunity for students to gain endorsement in Drama. Internal standard 91216 is offered as an extra opportunity and to prepare students for the external examination 91215.

Cost: There will be a further charge necessary to help pay for viewing performances throughout the year

Contact person: Ms F. Churcher

MUSIC (12MUS)

This is an academic course. It involves solo and group performances, continued development of composition and aural skills, combined with an in-depth study of musical works and score reading.

Entry requirement: Ideally, students should have at least three years of instrumental tuition. Students should continue to take lessons throughout the year and participation in performance groups is encouraged. Students should be able to read music notation. Entry at the HoD Music's discretion where adequate music skills are demonstrated.

Achievement Standards selected from:

Level 2:	Title of Standard:	I or E *	Cr *
91270	Performing two substantial pieces of music as a featured soloist	I	6
91274	Perform a substantial piece of music as a featured soloist on a second instrument	I	3
91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	I	4
91271	Compose two substantial pieces of music	I	6
91275	Demonstrate aural understanding through written representation	E	4
91276	Demonstrate knowledge of conventions in a range of music scores	E	4
91277	Demonstrate understanding of two substantial contrasting music works	E	6
91273	Devise an instrumentation for an ensemble	I	4
91278	Investigate an aspect of New Zealand music	I	4

The external exams are optional and offer the opportunity to gain Endorsement in Music.

Contact person: Ms V. Hill

HEALTH & PHYSICAL EDUCATION FACULTY

HEALTH (12HLT)

This course develops the concept of hauora/well-being as we learn to explore a wide variety of health issues that face us in everyday life. Students will learn life skills and be equipped to move into people related careers.

Students will implement an action plan in the form of a health-promoting project involving independent research within the community. They will also examine one concept of stress, safety for themselves and others, sexuality issues, and the effect of alcohol on driving.

Entry requirement: HoD discretion

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91237	Take action to enhance an aspect of people's well-being within the school or wider community	I	5
91239	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	I	5
91235	Analyse an adolescent health issue	E	5
91236	Evaluate factors that influence people's ability to manage change	I	5

Contact person: Mrs D. Cooper

PERSONAL & SOCIAL DEVELOPMENT (12PSD)

This course is an alternative course to Health. It supports students in their ability to develop personal well-being skills significant for becoming an up and coming fine man within our community. Interpersonal skills that support an individual's ability to work cooperatively with others are improved and challenged in each unit offered. A variety of health promotion agencies such as ACC Mates and Dates; Police programme Love Me Not; Upstander workshops; Drug Awareness campaigns will support the units we complete.

Students will be supported in taking responsibility for planning their own learning programme.

Entry requirement: HoD approval

Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
7118	Manage your own learning programme	I	3
7117	Produce a plan to enhance own learning	I	2
3492	Write a short report	I	3
7123	Apply a problem solving method to a problem	I	2
Achievement Standard offered:			
91236	Evaluate factors that influence change	I	5

Contact person: Mrs D. Cooper

MULTI-LEVEL OUTDOOR EDUCATION (OED Multi)

This course is aimed at students looking for outdoor adventure experiences with extra support. It has a focus on student development and building confidence. It is designed for students wanting to pursue outdoor education and who may find that the other OED options move too quickly in terms of covering content.

Entry requirement: Open to all senior year levels - HoD discretion

Unit Standards offered:

Standard	Title of Standard:	I or E *	Level	Cr *
20152	Experience and complete Abseiling sessions	I	1	1
20818	Demonstrate kayaking skills on sheltered or slow moving water	I	1	2
20210	Experience rock climbing	I	1	1
448	Experience a caving trip	I	1	1
20141	Complete beginner orienteering courses	I	1	1
90964	Demonstrate quality movement in the performance of a physical activity	I	1	3
467	Demonstrate personal and social development through participation in adventure-based learning	I	2	3
431	Navigate in good visibility on land	I	2	3
426	Experience camping	I	2	3
444	Demonstrate basic rock climbing movement	I	2	1

Cost: $250

Contact person: Mr S. Huurnink

OUTDOOR EDUCATION (12OED)

This course provides learning experiences that develop personal and social skills for conducting safe practices in a variety of Outdoor settings.

These learning experiences should also develop the understandings and skills that underpin successful outdoor activities. This includes the ability to deal with emergencies, gain self-efficacy in a range of Outdoor pursuits, and an awareness of conservation within the environment.

Outdoor Education activities include but are not limited to: surfing, abseiling, rock climbing, kayaking, caving, navigation, camping, Adventure Based Learning (ABL) and Outdoor First Aid (OFA).

Entry requirement: HoD discretion - a high standard of responsible behaviour is required and a genuine interest in outdoor education activities. Students do not need to have completed Level 1 OED to enter this course.

Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
431	Navigate in good visibility on land	I	3
20159	Gather and apply weather information to an outdoor recreation activity	I	2
91330	Demonstrate performance of a physical activity in an applied setting	I	4
426	Experience camping	I	3
20157	Top rope rock climbing and abseiling	I	3
91334	Demonstrate social responsibility	I	3
28392*	SCUBA dive in open water (optional only, cost: $740 extra)	I	7
489	Demonstrate sea kayaking skills on sheltered or slow moving water	I	3
91333	Analyse the application of risk management strategies to a challenging outdoor activity	I	3

*A SCUBA diving course will be available as an optional extra and will incur a cost of $740. It will be organised and supervised by WBHS staff and delivered by DiveHQ outside of school hours. Successful participants will receive Open Water Dive certification.

Cost: $250

To ensure the safe delivery of the trips the school invests in high quality gear and qualified, experienced staff. There is an associated cost to each student for the activities based course of $250 for the year long programme. This cost will cover transport, safety equipment, and food during overnight trips and qualified, experienced staff who will ensure the safe delivery of all trips.

For students or families where there may be an issue of financial hardship, there are options to pay this amount over time or have a subsidy through the hardship fund. Please contact Yvonne Nees (y.nees@wbhs.school.nz) if you would like to organise a payment plan, or Mike Elliot (m.elliot@wbhs. school.nz) for access to the hardship fund.

Full payment, or a payment plan to pay the full amount by the end of Term 1, will need to be processed by the end of week 3, Term 1.

An alternate free course is offered:

Achievement/Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
20159	Gather and apply weather information to an outdoor recreation activity	I	2
91334 (2.8)	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	I	3
91333 (2.7)	Analyse the application of risk management strategies to a challenging outdoor activity	I	3
27299	Describe benefits of participation in recreation in the local community	I	2
8567	Access sources of information for use in recreation	I	2
91282	Describe personal involvement in a social action related to rights and responsibilities	I	5

This programme has been designed to avoid cost to students, and has a large theoretical component. Unfortunately, there are no trips due to cost constraints.

Cost: Free

Contact person: Mr S. Huurnink

PHYSICAL EDUCATION (12PED)

The course consists of both practical and theoretical elements and offers a comprehensive understanding of Physical Education at this level.

Entry requirement: Achieved in all Level 1 Standards and HoD approval

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91327	Examine the role and significance of physical activity in the lives of young people in New Zealand	I	3
91328	Demonstrate understanding of how and why biophysical principles relate to the learning of physical skills	I	5
91329	Demonstrate understanding of the application of biophysical principles to training for physical activity	I	4
91330	Perform a physical activity in an applied setting	I	4
91331	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival	I	4

Contact person: Mr N. Smith

PHYSICAL WELL-BEING (12PWB)

This course aims to develop the knowledge, understanding, skills and attitudes needed to maintain and enhance personal health and physical well-being.

Entry requirement: HoD discretion

Achievement Standard offered:

Level 2:	Title of Standard:	I or E *	Cr *
91330	Demonstrate performance of a physical activity in an applied setting	I	4
Level 3:	**Title of Standard:**	**I or E ***	**Cr ***
30636 (v1)	Demonstrate knowledge of the human body and its movement during exercise and stretching	I	7
30447 (v2)	Demonstrate basic knowledge of anatomical structures and physiological responses to exercise	I	5

Contact person: Mr I. Morgan

INCLUSIVE LEARNING FACULTY

SUPPORTED STUDY AND INDIVIDUAL EDUCATION PLANS

Year 12 students that took Supported Study at Year 11s can opt to take Supported Study as Year 12s or to have an Individual Education Plan, by agreement with the Deans.

Contact persons: Mrs. K Sylva & Deans

LANGUAGES FACULTY

ENGLISH (12ENG)

A modular study of language and literature focusing on the requirements of the standards listed below.

- Writing skills (Expository and creative)
- Novel, poetry, short story and film studies
- Role-play/speaking

Entry requirement: 15 credits from Achievement Standards at Level 1, including one external Achievement Standard, or at HoD discretion

NB: In 2016 The University of Auckland introduced their Academic English Language Requirement (AELR). Applicants must gain a minimum of 17 credits in English at NCEA Level 2 and/or Level 3.

Achievement Standards offered:

	Level 2:	Title of Standard:	I or E *	Cr *
R W	91098	Analyse specified aspect(s) of studied written text(s), supported by evidence	E	4
R W	91100	Analyse significant aspect(s) of unfamiliar written text(s) through close reading, supported by evidence	E	4
W	91101	Produce a selection of crafted and controlled writing	I	6
	91102	Construct and deliver a crafted and controlled oral text	I	3
	91104	Analyse significant connections	I	4
	91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	I	3

Contact person: Mr M. Nogher

ENGLISH LANGUAGE & COMMUNICATION (12ELC)

This course offers a mix of Achievement Standards and Unit Standards at Level 2. A significant part of the course is project based and incorporates a wide range of skills required in the workplace, including:

- Research
- Reading texts for information
- Report writing
- Speaking to an audience

This course will prepare students for both English courses available at Level 3. It offers the opportunity to work cross curricular with other subjects that the student is taking in Year 12.

Entry requirement: Students will be selected at HoD discretion

NB: In 2016 The University of Auckland introduced their Academic English Language Requirement (AELR). Applicants must gain a minimum of 17 credits in English at NCEA Level 2 and/or Level 3.

Achievement Standards offered:

	Level 2:	Title of Standard:	I or E *	Cr *
W	91101	Produce a selection of crafted and controlled writing	I	6
	91102	Construct and deliver a crafted and controlled oral text	I	3
R	91105	Research and evaluate texts. Use information literacy skills to form developed conclusion(s)	I	4
R	91106	Develop personal responses to a selection of texts	I	4
	91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	I	3

Contact person: Mr M. Nogher

ACADEMY ENGLISH (12ACE)

This course supports the Engineering Academy course (12ENAC). This course is designed to improve students' English communication skills in preparation for entering the workforce at the end of the year.

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
8824	Research a topic using oral, visual and written sources and evaluate the research process	I	3
3492	Write a short report	I	3
2989	Select, read and assess texts on a topic	I	3
4252	Produce a personal targeted CV	I	2
1294	Be interviewed in a formal interview	I	2
1299	Be assertive in a range of specified situations	I	4
9677	Communicate in a team or group which has an objective	I	3
1280	Use graphics in communication	I	2

Contact person: Mr R. Atkinson

ESOL (12ESL)

English for Speakers of Other Languages (ESOL) assessments are conducted in English, which must not be the student's first language.

English Language (EL) Unit Standards offered:

Level 3:	Title of Standard:	I or E *	Cr *
28052	Demonstrate understanding of detailed spoken instructions (EL)	I	5
28056	Read and understand texts on familiar topics (EL)	I	5
28057	Read and understand texts for practical purposes (EL)	I	5
28064	Present information on a familiar topic (EL)	I	5
28068	Write texts on familiar topics (EL)	I	5
28069	Write texts for practical purposes (EL)	I	5

Cost: IELTS examination $365 (optional)

Contact person: Mr R. Atkinson

JAPANESE (12JAP)

The Japanese Level 2 course continues to build on the Level 1 course, with a focus on language skills, communication functions and Japanese culture.

Entry requirement: Successful completion of the Year 11 course and/or HoD discretion

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91133	Demonstrate understanding of a variety of spoken Japanese texts on familiar matters	E	5
91134	Interact using spoken Japanese to share information and justify ideas and opinions in different situations	I	5
91135	Give a spoken presentation in Japanese that communicates information, ideas and opinions	I	4
91136	Demonstrate understanding of a variety of written and/or visual Japanese text(s) on familiar matters	E	5
91137	Write a variety of text types in Japanese to convey information, ideas, and opinions in genuine contexts	I	5

Contact person: Mrs D. Williamson

*** E= External** **I=Internal** **Cr= Credits**
UE Lit: **R = Reading** **W = Writing** **RW = Both**

LANGUAGES via FarNet (12LANf)

These courses cater for students who wish to study languages that are not currently available in WBHS, or who wish to gain qualifications in their first or second language. Depending on their ability, students may complete Level 2 internal and external assessments. FarNet offers a range of courses in French, German, Korean, Mandarin, Samoan, Spanish and Tongan. Whether a subject is available may depend on the availability of a teacher.

Please contact me if you require information about other languages you might wish to study.

Perfect as an online language resource used by FarNet tutors.

Contact person: Mrs D. Miller

SENIOR MĀORI ARTS (12SMA)

This course offers a combination of Māori Performing Arts standards, Māori Tourism, and Tikanga Māori standards. It is a composite Year 11 - 13 class and offers both numeracy and literacy standards.

Prior knowledge of Māori Performing Arts and Te Reo Māori is not essential, but is, to an extent, an advantage.

Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
27126	Describe, and explain the purpose of, pūrakāu (gods, demigods) in accordance with ngā kōrero tuku iho	I	3
27127	Describe, and explain the purpose of, pakiwaitara in accordance with ngā kōrero tuku iho	I	3
27129	Explain the use of karakia in accordance with tikanga	I	2
13363	Demonstrate knowledge and skills of waiata-ā-ringa	I	6
16054	Describe the life and achievements of a Māori leader	I	2
13371	Demonstrate knowledge and skills of haka	I	6
13359	Demonstrate knowledge and skills of mōteatea	I	6

Cost: $10 for materials

Contact person: Mr W. Cooper

TE REO RANGATIRA (12TRR)

This course is an in depth study of Te Reo Māori with greater emphasis on oral and written skills.

These will include:

- Oral fluency and communication skills
- Reading comprehension and greater understanding
- Research and essay skills
- A closer look at customs and protocols of classical and modern life

Entry requirement: Successful completion of Year 11 and/or HoD discretion. This course also includes a range of Unit Standards based on listening, speaking and writing on a range of topics.

Achievement Standards offered:

	Level 2:	Title of Standard:	I or E *	Cr *
	91284	Whakarongo (Listening)	I	6
W	91287	Tuhituhi (Writing)	I	6
R W	91288	Waihanga Tuhi (Creative writing)	I	4
R	91286	Pānui (Reading)	I	4
	91285	Kōrero (Speaking)	I	6

Māori Performing Arts Unit Standards: Students are able to select Level 1-3 MPA Unit Standards where applicable. These will be covered in the senior Te Reo classes unless modified since date of print.

Contact person: Mr W. Cooper

MATHEMATICS FACULTY

MATHEMATICS WITH EXTERNALS (12MAE)

Year 12 Mathematics with Externals is for students who want to deepen their knowledge of mathematics. Advanced techniques are introduced in Algebra and used to solve a variety of problems; Calculus, the mathematics of change, is studied for the first time; and Probability is expanded through new concepts including probability distributions. While the majority of the course is devoted to the three externals (Algebra, Calculus, and Probability), some supporting internal assessments are also covered. This course is designed for students wanting to pursue STEM (Science, Technology, Engineering, and Mathematics). Students who successfully pass the external examinations at the end of the year have the option to continue with 13MAC or 13MAS.

Entry requirement: A student must have gained Achievement Standards 91027, 91028 and two Level 1 Internally assessed Mathematics standards. Entry may be at the discretion of the HoF.

Equipment recommended: A calculator, preferably a Casio 9750 or 9860 Graphic calculator.

Contact person: Mr A. Kitson

MATHEMATICS WITH INTERNALS (12MAI)

Year 12 Mathematics with Internals is for students who enjoy mathematics but prefer assessment through internals. The course covers most areas of mathematics: Systems of Equations, Graphs, Coordinate Geometry, Trigonometry, Probability Simulations, Sequences, and Networks. Students who successfully complete 12MAI have the option to continue with 13MAI in Year 13.

Entry requirement: Students who have gained 12 or more credits in Level 1 Mathematics and Statistics but have not achieved eligibility for the 12MAE course in Mathematics. Entry may be at the discretion of HoF.

Achievement Standards offered: (this may change slightly)

Level 2:	Title of Standard:	I or E *	Cr *
91261	Apply algebraic methods in solving problems	E	4
91262	Apply calculus methods in solving problems	E	5
91257	Apply graphical methods in solving problems	I	4
91267	Apply probability methods in solving problems	E	4
91264	Use statistical methods to make an inference	I	4
91259	Apply trigonometric relationships in solving problems	I	3
91256	Apply coordinate geometry in solving problems	I	2
91257	Apply graphical methods in solving problems	I	4
91258	Apply sequences and series in solving problems	I	2
91259	Apply trigonometric relationships in solving problems	I	3
91260	Apply network methods in solving problems	I	2
91268	Investigate situations involving elements of chance using a simulation	I	2
91269	Apply systems of equations in solving problems	I	2

Equipment recommended: A calculator, preferably a Casio 9750 or 9860 Graphic calculator.

Contact person: Mr A. Kitson

SCIENCE FACULTY

AGRICULTURE/HORTICULTURE SCIENCE (12AHS)

More academic than Level 1, involving research, investigation and reporting skills.

Entry requirement: Achievement in Year 11 Agriculture/ Horticulture Science or at discretion of TiC

Achievement and Unit Standards selected from:

Level 2:	Title of Standard:	I or E *	Cr *
91290	Describe physical factors of the environment and techniques used to modify these for plant production	E	4
91289	Carry out practical investigation with supervision	I	4
US21039	Demonstrate knowledge of the development of organic horticulture	I	10
91296	Produce a landscape plan	I	4
91293	Demonstrate understanding of livestock reproductive techniques in commercial production in New Zealand	I	4

The inclusion of some Unit Standards will be dependent on the abilities and interests of the students.

Contact person: Mr D. Jennings

BIOLOGY (12BIO)

The course will cover theory and practical aspects of Biology with a total of 16-20 credits.

Entry requirement: 12 credits from Level 1 External Science (must include the Biology Achievement Standard 90948) or at discretion of TiC.

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91156	Demonstrate understanding of life processes at the cellular level	E	4
91157	Demonstrate understanding of genetic variation and change	E	4
91159	Demonstrate understanding of gene expression	E	4
91153	Carry out a practical investigation in a biology context	I	4
91155	Demonstrate understanding of adaptation of plants or animals to their way of life (optional)	I	3
91158	Investigate a pattern in an ecological community	I	4

Contact persons: Mr H. Dunckley & Mrs R. Thornton

CHEMISTRY (12CHE)

The content of this course is based on quantitative analysis, redox reactions, organic chemistry, chemical reactivity and bonding.

Entry requirement: 12 credits from Level 1 External Science (must include Chemistry Achievement Standard 90944 and 90930) or at discretion of TiC. It is recommended that students achieve at merit or better in Level 1 Acids and Bases.

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91910	Carry out practical investigation into a substance present in a consumer product using quantitive analysis	I	4
91911	Carry out an investigation into chemical species present in a sample using qualitative analysis	I	3
91164	Demonstrate understanding of bonding, structure, properties and energy changes	E	5
91165	Demonstrate understanding of the properties of selected organic compounds	E	4
91166	Demonstrate understanding of chemical reactivity	E	4
91167	Demonstrate understanding of oxidation-reduction	I	3

Contact persons: Mr C.M. Lai & Mr D. Morratti

FORESTRY (12FOR)

This course is offered in partnership with the Forestry Industry Training Organisation. Some units are assessed by WBHS. The First Aid course and Chainsaw course are run by an external provider. The course credits to the National Certificate in Forestry. Students will be offered the opportunity of applying for a place in the Primary Industries Academy which provides extra field trips, an extended Gateway placement and the payment of most fees.

Entry requirement: 15 credits Year 11. A selection of the units below will be offered, including Chainsaw Safety and Operation, First Aid and Safety in the Workplace

Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
22997	Demonstrate knowledge of principles of commercial forestry	I	5
6916	Demonstrate knowledge of the approved code of practice relating to chainsaw use	I	5
6917	Demonstrate basic chainsaw operation	I	5
17769	Demonstrate knowledge of general health, safety and environmental requirements in forestry	I	6
26551	Provide first aid for life threatening conditions	I	2
26552	Demonstrate knowledge of common first aid conditions and how to respond to them	I	1
6951	Demonstrate knowledge of selecting plantation trees	I	4
1227	Demonstrate knowledge of plantation forest harvesting	I	5
Level 3:			
1256	Demonstrate knowledge of ground based log extraction	I	4

All students are encouraged to participate in extra learning and assessment opportunities which are available through short courses and field trips.

Contact person: Mrs B. Van Rooyen

PHYSICS (12PHY)

A modular study of Physics designed for students who wish to pursue Physics in Year 13 or extend their skills base as a pre-requisite for other studies.

Entry requirement: 12 credits in Year 11 External Science which must include AS90940 Mechanics, AS90935 Physics Investigation and 4 credits from Year 11 Mathematics which include AS91027 Algebra. It is recommended that students achieve at merit or better in Level 1 Mechanics before considering Level 2 Physics.

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91168	Take measurements of physical quantities and analyse data graphically to determine a relationship	I	4
91170	Demonstrate understanding of waves	E	4
91171	Demonstrate understanding of mechanics	E	6
91172	Demonstrate understanding of atomic and nuclear physics	I	3
91173	Demonstrate understanding of electricity and electromagnetism	E	6

Contact persons: Mr S. Kumar & Mr H. Henderson

PRIMARY INDUSTRIES (12PIN)

Students will gain a deeper understanding of the technical aspects of the primary industries as preparation for employment and further study in that sector of the economy. The class will study a selection of standards from the list below. All students will be invited to apply for a place in the Primary Industries Academy and so undertake a relevant placement during the year. Achievement will count towards NCEA Level 2 plus the New Zealand Certificate in Primary Industry Skills (Level 2).

Students in 12PIN will have an option of choosing Livestock farming, Dairy farming or Horticulture.

Entry requirement: Level 1 Primary Industries or at TiC discretion

Unit Standards selected from:

Level 2:	Title of Standard:	I or E *	Cr *
19116	Demonstrate knowledge of livestock behaviour and animal welfare	I	2
4	Maintain hand tools and service small engines used in horticulture	I	5
21556	Control weeds under supervision	I	2
22174	Demonstrate knowledge of soils and fertilisers	I	5
2803	Maintain a documented work record of horticultural activities	I	5
23540	Demonstrate knowledge of hazards, hazard control, and the consequences of injury in a rural workplace	I	5
23541	Locate hazards, describe safety procedures, and demonstrate safe work practices in a rural workplace	I	5
20574	Identify plants	I	5
22191	Demonstrate knowledge of factors which influence plant growth	I	5
2765	Plant trees or shrubs under close supervision	I	5
19112	Check and report on livestock	I	4
19114	Assist with handling and treatment of livestock	I	6
19106	Assist with handling livestock when moving and drafting, and when livestock are distressed	I	4

Contact person: Mr D. Jennings

SCIENCE (12SCI)

This course provides a pathway for students wishing to continue with the Sciences in Year 12. It covers all four learning areas and is for the boys interested in Science who are not entering specialised Science courses.

Entry requirement: 8 credits from Year 11 External Science (11SCE) or 8 credits from Year 11 Science (11SCI)

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91163	Demonstrate understanding of the chemistry used in the development of a current technology	I	3
91169	Demonstrate understanding of physics related to a selected context	I	3
91160	Investigate biological material at the microscopic level	I	3
91153	Carry out a practical investigation in a biology context, with supervision	I	4
91189	Investigate geological processes in a New Zealand locality	I	4

Contact person: Mrs L. Bourke-Heerikhuisen

SOCIAL SCIENCE FACULTY

ACCOUNTING (12ACC)

The emphasis at this level is on expansion of the Year 11 programme covering accounting systems in depth. The main focus of the course is on sole traders. Students will learn about trading businesses, the difference between cash and accrual based accounting, how to account for assets and liabilities, and how to maintain a perpetual inventory system.

Entry requirement: 12 credits from Level 1 Accounting

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91176	Prepare financial information for an entity that operates accounting subsystems	E	5
291177	Interpret accounting information for entities that operate accounting subsystems	E	4
91179	Demonstrate understanding of an accounts receivable subsystem for an entity	I	3
91386	Demonstrate understanding of an inventory subsystem for an entity	I	3
91481	Demonstrate understanding of a contemporary accounting issue for decision-making	I	4

Contact person: Mrs P. Horsley

BUSINESS STUDIES (12BUS)

Level 2 Business Studies builds on the concepts taught in Level 1, with a focus on large New Zealand businesses. Students will also have the opportunity to work with their peers on their own business project, whilst contributing funds to a community organization of their choice.

This course includes a field trip to Rotorua.

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
90843	Demonstrate understanding of the internal operations of a large business	E	4
90845	Apply business knowledge to a critical problem(s) in a given large business context	E	4
90846	Conduct market research for a new or existing product	I	3
90847	Investigate the application of motivation theory in a business	I	3
90848	Carry out, review and refine a business activity within a community context with guidance	I	6

Contact person: Mr. T. Yung

CLASSICAL STUDIES (12CLS)

Classical Studies is the study of the Greek and Roman civilisations and their art, history, culture, society, and literature. Together, they have had an immense influence on the development of the modern world.

In this course students will read the world's most famous story, Homer's Odyssey and learn about Ancient Greek attitudes towards the gods and heroes.

Next, an in-depth investigation of the Golden Age of Athens will uncover the social and political life of the Classical Greek world.

Lastly, students will discover the buried treasures of the city of Pompeii and learn how the Romans lived and died.

Entry requirement: 12 credits from Year 11 Classics or similar subject.

Topics subject to change.

Achievement Standards offered:

	Level 2:	Title of Standard:	I or E *	Cr *
R W	91200	Examine ideas and values of the classical world	E	4
R W	91202	Demonstrate understanding of a significant event in the classical world	I	4
R	91203	Examine socio-political life in the classical world	E	6
R	91204	Demonstrate understanding of the relationship between aspects of the classical world and aspects of other cultures	I	6

Contact person: Mr R. Burrows

ECONOMICS (12ECO)

This course focuses on macro-economics and explores New Zealand's economic history. It deals with contemporary economic issues that affect the whole economy. Students will master economic concepts and models to provide them with a means of analysing economic growth, inflation, unemployment and trade. They will also learn how government policies and contemporary issues interact

Achievement Standards offered:

	Level 2:	Title of Standard:	I or E *	Cr *
W	91222	Analyse inflation using economic concepts and models	E	4
W	91223	Analyse international trade using economic concepts and models	E	4
W	91224	Analyse economic growth using economic concepts and models	E	4
	91225	Analyse economic unemployment using economic concepts and models	I	4
R	91227	Analyse how government policy and contemporary economic issues interact	I	6

Contact person: Ms K. Price

GEOGRAPHY (12GEO)

Students continue to develop skills and ideas introduced in the Level 1 course.

Topics covered include:

- Natural and cultural interaction and impacts in Tongariro National Park
- Urban change in Detroit
- The causes and occurrence of malaria on a global scale
- Research into natural and cultural interactions in the Tongariro National Park

Skills and concepts are further developed so that a wider skills bank is generated over the course of the year's study.

*There is a field work component to this course and students will visit the Tongariro National Park to collect research data.

Entry requirement: 14 credits from Level 1 Geography, including Achievement Standard 91011 or 12 credits in Level 1 English (6 must be external) or HoD discretion

Achievement Standards selected from:

	Level 2:	Title of Standard:	I or E *	Cr *
R W	91240	Demonstrate geographic understanding of a large natural environment	E	4
	91243	Apply geography concepts and skills to demonstrate understanding of a given environment	E	4
	91241	Demonstrate geographic understanding of an urban pattern	I	3
	91244	Conduct geographic research with guidance	I	5
	91246	Explain aspects of a geographic topic at a global scale	I	3

Cost: There may be a cost for fieldwork, maps and materials. Field trip to the Tongariro National Park.

Contact person: Mrs R. Gordon

HISTORY (12HIS)

Year 12 History focuses on the theme of conflict with students learning about first contact between early explorers to New Zealand and around the world. Students will investigate key figures such as Captain Cook and examine if he was a hero or villain. They will also look at how Māori interacted and traded with the Early European explorers.

Next, students will learn about the Cold War and its impact on world history by exploring key conflicts of the Cold War such as the Cuban Missile Crisis.

Lastly, students will examine the differing perspectives behind the outbreak of the Cold War.

Students will learn valuable skills in research, essay writing, and source analysis.

Entry requirement: 12 credits from Year 11 History or similar subject.

Topics subject to change.

Achievement Standards offered:

	Level 2:	Title of Standard:	I or E *	Cr *
R	91229	Carry out an inquiry of an historical event or place of significance to New Zealanders	I	4
R	91230	Examine an historical event or place of significance to New Zealanders	I	5
R	91231	Examine sources of an historical event that is of significance to New Zealanders	I	4
R	21232	Interpret different perspectives of people in an historical event that is of significance to New Zealanders	I	5
R	91231	Investigate sources of an historical event or place of significance to New Zealanders	E	4
R	91233	Examine causes and consequences of a significant historical event	E	5

Cost: Field trip costs as applicable

Contact person: Mr R. Burrows

PERSONAL FINANCIAL MANAGEMENT (12PFM)

Personal Financial Management offers study in the area of consumer finance and money management in today's world. The course is designed to continue to educate students on a responsible personal management path. Students continue to develop their competencies in setting financial goals and personal budgets, taxes, debt and ways to avoid/reduce debt, and be able to demonstrate knowledge in investment and insurance policies. By the end of the course students will have further developed their knowledge that will set them firmly on the path to financial independence.

Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
24695	Explain taxation and other deductions relating to personal income	I	2
24699	Make an informed decision relating to personal income and explain its consequences	I	2
24707	Set a personal financial goal and plan its implementation	I	3
28094	Produce a balanced budget and adjust the budget to reflect changing financial circumstances	I	3
28096	Evaluate and select insurance product types in relation to events for personal finances	I	3
28097	Evaluate and select personal banking products and services in relation to personal financial needs	I	3
28092	Analyse the effect of significant life events at different life stages on personal financial income	I	3

Contact persons: Mrs P. Horsley

PSYCHOLOGY (12PSY)

Psychology is the scientific study of human thought, emotions and actions. It helps us understand how we and others behave and explores questions such as:

- Why do people harm others? Looking at aggression
- Why do people do bad things? Forensic psychology and criminal profiling
- How does culture influence behaviour? Sports psychology - Holistic psychology
- What is the nature of intelligence? Organisational psychology

Developing understanding in these human facets is part of what forms our empathy and skills for living our lives.

In this course students will be introduced to the big ideas around human behaviour and then use the scientific method to test theories.

Topics covered include:

- Biological researchers look at how chemical and neurological processes affect us
- Behaviourists look at how the environment conditions us
- Cognitive psychologists examine the mind as an information-processing machine
- Psychodynamic psychologists look at our hidden desires and impulses
- Humanists see people holistically as unique beings with the ability to reach our full potential

Entry requirement: 10+ credits in NCEA Level 1 English Achievement Standards or HoD discretion

Achievement Standards selected from:

Level 2:	Title of Standard:	I or E *	Cr *
91844	Examine approaches in psychology	I	6
91846	Examine and complete a psychological experiment with guidance	I	4
91846	Examine fields in psychological practice	I	5
91848	Examine ethical issues in psychological practice	I	3

Contact person: Mr D. Moore

SALES & CUSTOMER SERVICE (12SCS)

This class helps students move toward a qualification and employment in retail. Students will learn a variety of skills which will enhance their opportunities for employment in a variety of industries. These include selling and customer service skills, advanced communication skills and problem solving skills. There will be an opportunity for industry placements.

Entry requirement: Open entry at discretion of HoD/TiC

Additional qualification: New Zealand Certificate in Retail Level 2

Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
57	Provide customer service in given situations	I	2
62	Maintain personal presentation in the workplace	I	2
1277	Communicate information in a specified workplace	I	3
11968	Knowledge and legislation applicable to the sale of goods and services	I	4
402	Demonstrate knowledge of the retail sector in New Zealand	I	2
405	Demonstrate knowledge of customer shopping and buying motives	I	3
11958	Demonstrate knowledge of stock management procedures and systems	I	4
Level 3:			
376	Employ customer service techniques for differing customer behaviours	I	2

There will be an opportunity to earn additional credits on a Gateway work placement.

Contact person: Ms L. Cook

TOURISM & TRAVEL (12TOU)

Want to work in a dynamic industry? Have fun and travel? Then Tourism is for you. This course works towards a National Certificate in Tourism.

Once the borders are open again there will be a huge shortage of skilled and knowledgeable people available to take positions in this industry.

This course includes a field trip to Rotorua and QRC in Paihia

Entry requirement: Open entry at HoD/TiC discretion

Additional qualification: National Certificate in Tourism Level 2

Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
24727	Describe and compare impacts of tourism on the physical environment	I	3
24728	Demonstrate knowledge of work roles in tourism	I	3
24729	Demonstrate knowledge of world tourist destinations	I	4
24730	Demonstrate knowledge of the business of tourism	I	4
24731	Demonstrate knowledge of destination New Zealand	I	4
24732	Demonstrate knowledge of tourist characteristics and needs	I	3

Cost: There may be a cost for field trips

Contact person: Ms L. Cook

TECHNOLOGY FACULTY

DESIGN & VISUAL COMMUNICATION (12DVC)

The course of DVC is structured around three areas:

- Graphics Communication and Design
- Environmental Design and Architecture
- Technological and Product Design

Year 12 DVC is a programme for students who are serious about DVC and are aiming at NCEA Level 3 the following year.

A design brief approach is used for most problems throughout the course to ensure students fully explore the design process, develop broad graphics communication skills and start to appreciate good design. Skills in conceptual sketching, design development and refinement, production drawing and presentation will be developed through the course. Modelling is also an integral part of proving design viability. The use of CAD programmes is an integral component of this subject.

Entry requirement: Year 11 DVC

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91340	Use the characteristics of a design movement or era to inform own design ideas	I	3
91343	Use visual communication techniques to compose a presentation of a design	I	4
91341	Develop a spatial design through graphics practice	I	6
91337	Use visual communication techniques to generate design ideas	E	3
91338	Produce working drawings to communicate technical details of a design	E	4
91339	Produce instrumental perspective projection drawings to communicate design ideas	E	3

Equipment required: Set squares, compasses, pencils etc, for use at home and school, and an A3 visual diary

Cost: Take home component $10 (approx.)

Contact person: Mr P. Yeoman

DIGITAL TECHNOLOGY (12DGT)

A mainly project based course focused on the development of the computer science skills required for further academic studies. Students will undertake a variety of real life projects:

- Design a multi-media website
- Create a fast food ordering program
- Install an operating system and a LAN to host a game server and share media

Entry requirement: Successful completion of Year 11 Digital Technology course or HoD discretion

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91893	Use advanced techniques to develop a digital media outcome	I	4
91895	Use advanced techniques to develop a network	I	4
91896	Use advanced programming techniques to develop a computer program	I	6
91898	Demonstrate understanding of a computer science concept	E	3

Contact person: Mr J. Clark

ELECTRONIC PRODUCTS (12ELE)

This is a continuation of Year 11 Electronic Products and will suit students who have a compelling interest in microcontrollers (programmable chips) and their application in a variety of products. The course involves students investigating components and circuitry design. Students will present their work in portfolios that detail the research, design and the manufacture of the electronic product. Externally assessed standards have been included so that course endorsement is achievable at Merit or Excellence.

Entry requirement: Year 11 Electronics or HoD discretion

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91356	Develop a conceptual design for an outcome	I	6
91357	Undertake effective development to make and trial a prototype	I	6
91894	Use advanced techniques to develop an electronic outcome	I	6
91359	Demonstrate understanding of the role of material evaluation in product development	E	4

Equipment required: 2 Ltr container, A4 folder, file dividers, A4 lined pad, USB flash drive, and use of a laptop

Cost: Take home component $50 (approx.)

Contact person: Mr J. Anderson

ENGINEERING TRADE ACADEMY (12ENAC)

This course is aimed at boys who have clearly decided on a career in Engineering or Automotive and are looking to transition from school into the workplace by the end of Year 12. Instead of selecting six subjects this is an integrated course which consists of one option line of literacy, one option line of numeracy and the remainder of the time completing engineering and automotive projects and the associated assessments. Boys who show good workshop practice will also be given the opportunity to gain workplace safety qualifications and attend a work placement. Students will work in groups for several projects.

Entry requirement: Selection into the course will require an interview with HoF and Deans. Students will need a history of consistently following accepted safety practice in the workshop and the ability to work cooperatively and productively with others. This course will run from 10:00am until 4:10pm instead of normal school hours.

Unit Standards offered:
A programme of assessments will be developed to suit the interests and abilities of the group and the practical projects they will undertake. These assessments consist of Unit Standards developed by Engineering and Automotive Industry Training Organisations. All students are expected to gain Level 2 NCEA.

Contact person: Mr P. Yeoman

PRE-TRADE ENGINEERING & AUTOMOTIVE (12PTE)

Students will have the opportunity to learn and apply practical design to set projects while developing confidence in the use of trade skills such as welding, brazing, oxy-acetylene cutting and basic machine tool operation. This emphasis is consistent with the Technology Faculty's approach to prepare students for today's employment opportunities.

Practical projects are created to be included in a student's employment portfolio. All Unit Standards lead toward an apprenticeship in Mechanical Engineering or Automotive.

Entry requirement: Year 11 Advanced Engineering (Metalwork) gaining 14 credits with Year 11 DVC being strongly recommended. Students will need a history of consistently following accepted safety practice in the workshop and the ability to work cooperatively with others. With HoD discretion selected students will complete a work placement through the Gateway programme and may be offered a Safe Trades Course.

Unit Standards offered (compulsory):

Level 2:	Title of Standard:	I or E *	Cr *
21911	Demonstrate knowledge of safety on the engineering worksite	I	1
2395	Select, care and use engineering hand tools	I	4
21906	Perform basic mechanical engineering machining operations under supervision	I	12
4435	Select, use and care for engineering dimensional measuring equipment	I	3
4436	Select, use and care for engineering marking out equipment	I	4

In addition to these core Engineering standards, students will have the opportunity to complete up to 20 additional Automotive unit standards which lead directly towards Automotive Apprenticeships.

Equipment required: Safety glasses and overalls

Cost: Take home component $50 (approx.)

Contact person: Mr P. Yeoman

*** E= External** **I=Internal** **Cr= Credits**
UE Lit: **R = Reading** **W = Writing** **RW = Both**

PRE-TRADE WOODWORK (12PTW)

Pre-trade Woodwork is an internally assessed course embracing a series of industry Unit Standard qualifications, as well as related assignments and skills. The project themes are designed to encourage students to make plans and decisions, analyse solutions and critique their work.

The course will suit those students intending to pursue a career in wood based industries including building, carpentry, joinery and cabinetmaking. Selected students will complete a work placement through the Gateway programme and may be offered a Safe Trades Course.

Entry requirement: Year 11 Advanced Woodwork. All students must submit an application and be interviewed by the Teacher in charge

Unit Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
24354	Demonstrate knowledge of and apply safe working practices in a BCATS workplace	I	4
24357	Receive instructions and communicate information in relation to BCATS projects	I	4
24351	Demonstrate knowledge of and use specified fixed machinery in the construction of BCATS projects	I	6
24353	Demonstrate knowledge of and create sketches and drawings for BCATS projects	I	6
25921	Make a cupboard as a BCATS project	I	6

Cost: Take home component $80 (approx.)

Contact person: Mr P. Yeoman

PRODUCT DESIGN (12PRD)

This subject builds on the learning outcomes of Year 11 Product Design. Year 12 Product Design is aimed towards students who have a good understanding of design concepts having taken either 11PRD or 11DVC. It will be ideal for students who are interested in design but favour more practical outcomes than 12DVC. The course will focus on design and build assignments with assessments based on Achievement Standards. Skills in conceptual sketching, design, development and refinement, presentation and production will form the basis of assessment. The use of CAD programmes and CNC machines are an integral part of this course and are used to enhance student outcomes.

Entry requirement: Successful completion of 11DVC or 11PRD or HoD discretion

Achievement Standards offered:

Level 2:	Title of Standard:	I or E *	Cr *
91356	Develop a conceptual design for an outcome	I	6
91344	Implement advanced procedures using resistant materials to make a specified product with special features	I	6
91347	Demonstrate understanding of advanced concepts used to make products	I	4
91337	Use visual communication techniques to generate design ideas	E	3
91338	Produce working drawings to communicate technical details of a design	E	4

Equipment required: A3 visual diary, sketching equipment, standard and coloured pencils, USB flash drive

Cost: $60 to cover take home materials

Contact person: Mr P. Yeoman

RITCHIES

WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

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