



WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

CURRICULUM GUIDE

YEAR 11



2021

wbhs.school.nz

WELCOME TO OUR CURRICULUM GUIDE 2021

This publication contains all courses for one year level at Whangarei Boys' High School. Other year levels are available online at www.wbhs.school.nz or by request. After careful consultation with parents/caregivers and following academic guidance with Whanau Teachers and/or Deans, our students are able to take a long term view to their academic planning, to see how subject areas develop and where they lead.

To this end, subjects are laid out by year levels, containing to-the-point descriptions of the subject and in the case of the senior year levels, concise statements of the 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 2020 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, all Achievement Standards and Unit Standards credit to the National Certificate of Educational Achievement at Levels 1, 2 or 3. Subjects considered compulsory in the senior school are English and Mathematics at Year 11.

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 know that you and your son will take the time to examine carefully the information contained within.

Subject Selection Evening for students and parents/caregivers to discuss subject selection for 2020 will be held at 5.30 – 7.30pm on Wednesday 29 July 2020, in the School Hall.

For current students subject selection can be entered via the KAMAR portal by **Wednesday 5 August 2020** and parents will be sent details of how to do this. Otherwise, by appointment with the Deans.

For students new to the school in 2021, 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, Allister Gilbert. 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 2021 will inform and assist you with the important planning and decision-making for future learning.

Yours sincerely

K. GILBERT-SMITH
Principal



YEAR 11 DEANS' LETTER



Students at this year level will study six subjects. English and Mathematics are compulsory and students choose four other option subjects. A Science is strongly recommended as one of these four subjects, in order to keep future study options open.

Subjects offer either Level 1 Achievement Standard credits and/or Unit Standard credits; which count towards the National Certificate of Education Achievement (NCEA) at Level 1. Credits from Achievement Standards will come from internal and external assessments of conventional school subjects. Credits from Unit Standards will come from internal assessment of standards developed by industry and specific subject teachers.

A supported study class will operate at Year 11 for a small number of selected students who have identified learning needs or need assistance to manage the demands of NCEA assessments. These students will have one fewer option class than other Year 11s. Supported Study Time will be co-ordinated and supervised by a teacher. Entry to this class is dependent on Dean and HoD Inclusive Learning approval.

To achieve NCEA Level 1, students must attain a minimum of 80 credits. Of these, 10 credits must be in Level 1 Numeracy and 10 credits in Literacy.

Through their studies, students may also attain:

- **NCEA Level 1 Certificate Endorsed with either Excellence or Merit.** To do this, a student must achieve 50 credits at Excellence (for Excellence) or 50 credits at either Merit or Excellence (for Merit).
- **Individual subject Endorsement.** This requires a student to achieve 14 or more credits at Merit or Excellence level in a single subject. At least 3 credits must come from externally assessed standards and 3 from internally assessed standards; the exception to this is Physical Education.

Students who are clear in their career choices should select subjects that are prerequisites for their pathway to tertiary study and employment. During subject selection, guidance is available from your Whanau Teachers, Deans, Subject Teachers, and Careers. If no clear choice has been made, boys are advised to seek a broad education. Boys are also encouraged to select subjects they excel at or enjoy.

YEAR 11 DEANS



YEAR 11 ASSESSMENT INFORMATION

Example: A student studies the following course in Year 11 for the NCEA Level 1 qualification:

Subject	Credits Available	Credits Achieved
Art	24	12
English	24	19
Geography	24	17
Mathematics	24	18
Physical Education	20	16
Science	26	16
Total	142	98

To gain the qualification the 80 credits must include:

- 10 credits in Literacy
- 10 credits in Numeracy

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 11 students.

To gain an NCEA Level 1 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 a minimum of 80 credits, and has met the Level 1 literacy and numeracy requirements (10 literacy credits and 10 numeracy credits), they may be awarded the NCEA Level 1 qualification.



ACADEMIC COURSES 2021

POINTS TO NOTE	FACULTY	YEAR 9	YEAR 10	YEAR 11 - LEVEL 1	YEAR 12 - LEVEL 2	YEAR 13 - LEVEL 3
YEAR 9 Students study English, Science, Social Studies, Mathematics, Physical Education, Health and Materials Technology for the full year. Te Reo Māori and a choice of either Art, Drama or Music, are studied for half a year. Students also select two option subjects* which are studied for half a year.	The Arts	* Art * Drama * Music	* Art * Drama * Music	Art Digital Art Drama Music	Art Design Art Painting Photography Drama Music	Art Design + Art Painting + Photography + Drama + Music +
	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
YEAR 10 Students study six compulsory subjects and three option subjects*. Please select a spare subject.	Languages	✓ English * Japanese * Languages via FarNet ✓ Te Reo Māori * Junior Māori Arts * Te Reo Rangatira ESOL	✓ English * Japanese * Languages via FarNet * Junior Māori Arts * Te Reo Rangatira ESOL	✓ English 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	Calculus + Mathematics with Internals + Statistics +
YEAR 11 Mathematics and English are compulsory. Students study six subjects all year. Please select a spare subject.	Sciences	* Agriculture/Horticulture ✓ Science	* Agriculture/Horticulture ✓ Science	Agriculture/Horticulture Science Science Science Bridging Primary Industries	Agriculture/Horticulture Science Biology Chemistry Physics Science Bridging Forestry Primary Industries	Agriculture/Horticulture (FarNet) + Science + Biology + Chemistry + Physics + Forestry
	Social Sciences	* Start Your Own Business * The World of Money * Ancient Mythology ✓ Social Studies	* The World of Business * Money Wise * Classical Studies ✓ Social Studies	Accounting Business Studies Economics Classical Studies Geography Getting Work Ready 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 +
SUPPORTED LEARNING Extra learning support in a safe environment for those who do not cope with the structure of secondary school.	Technology	* Design & Visual Communication * Digital Technology ✓ Materials Technology	* Design & Visual Communication * Digital Technology * Electronics * Product Design * Materials Technology	Design & Visual Communication Digital Technology Digital Literacy Electronic Products Product Design Advanced Engineering Advanced Woodwork Engineering Trade Academy	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 learning via the internet and ZOOM. It is similar to Correspondence but with more tutor and class interaction. Students also receive one-on-one assistance from a trained teacher.



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.

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

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

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

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

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

- | | | | |
|-------------|----------------------|-------------------------|---------------|
| • Maths | • Physics | • Language Rich Subject | • Woodwork |
| • Sciences | • Chemistry | • Geography | • Calculus |
| • Metalwork | • Digital Technology | • Automotive | • 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 Whangarei Boys' High School is not offering a subject that interests the student eg 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 Whangarei 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

Whangarei 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 Whangarei 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 (11ART)

A practical and research based course, developing ideas and technical application of varying media to support the production of work for NCEA Level 1.

Entry requirement: Year 10 Art or HoD discretion

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90914	Use drawing methods and skills for recording information using wet and dry media	I	4
90915	Use drawing conventions to develop work in more than one field of practice	I	6
90916	Produce a body of work informed by established practice, which develops ideas, using a range of media	E	12

Cost: \$8.00 take-home component for students who took Art in year 10. \$18.00 for students new to the subject to purchase an art portfolio. There may also be costs associated with Art field trips.

Contact person: Mrs V. Luders

DIGITAL ART (11DGA)

A practical course involving visual research and digital applications through a combination of photography and design.

Entry requirement: Year 10 Art or HoD discretion

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90915	Use drawing conventions to develop work in more than one field of practice	I	6
90916	Produce a body of work informed by established practice which develops ideas using a range of media	E	12

Cost: \$43 to be paid at the start of Term 1. This covers a take-home component of \$23 and printing costs of \$20.

Contact person: Mrs V. Luders

DRAMA (11DRA)

This course furthers student's understanding of theatre and the skills associated with performing. Students will develop self-management in their learning and preparing for roles. They will have the opportunity to create their own drama and to perform key roles within a full-length play.

Entry requirement: Willingness to perform in front of peers. Successful participation in year 10 Drama is preferred.

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90006	Apply drama techniques in a dramatic context	I	4
90997	Devise and perform a drama	I	5
90999	Use features of a drama/theatre form in performance	I	4
90009	Perform an acting role in a scripted production	I	5
90011	Demonstrate understanding of the use of drama aspects within live performance	E	4
90998	Demonstrate understanding of a drama/theatre form	E	4

The external examinations are optional and offer the opportunity for students to gain endorsement in Drama. Internal standards 90999 is offered as an extra opportunity and to prepare students for the external examination 90998.

Cost: There will be a further charge necessary to help pay for viewing a live performance

Contact person: Ms F. Churcher

MUSIC (11MUS)

A course consisting of solo and group performances, composition and aural skills combined with general musical knowledge and score reading.

Entry requirement:

To be able to read music notation is desirable

Students should have completed at least two years of instrumental tuition and continue to take lessons throughout the duration of the course

Or at the HoD's discretion where adequate music skills are demonstrated.

It is desirable that students choosing 11MUS participate in at least one performance group.

Achievement Standards selected from:

Level 1:	Title of Standard:	I or E *	Cr *
91090	Perform two pieces of music as a featured soloist	I	6
91091	Demonstrate ensemble skills through performing a piece of music as a member of a group	I	4
91092	Compose two original pieces of music	I	6
91093	Demonstrate aural and theoretical skills through transcription	E	4
91094	Demonstrate knowledge of conventions used in music scores	E	4
91095	Demonstrate knowledge of two music works from contrasting contexts	I	6

Unit Standards:

31191	Demonstrate knowledge of new Māori music	I	4
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Contact person: Ms V. Hill

HEALTH & PHYSICAL EDUCATION FACULTY

HEALTH (11HLT)

This course develops the concept of hauora/well-being and how it affects our everyday lives. The course will provide life skills and equip students to move into people-related careers. The topics covered are personal and inter-personal skills, goal-setting, sexuality, nutrition, effects of drug and alcohol use and dealing with change, loss and grief. A variety of outside presenters from community health organisations help enhance the delivery of the programme.

Entry requirement: HoD approval

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90971	Take action to enhance an aspect of personal well-being	I	3
90975	Demonstrate understanding of strategies for making health enhancing decisions in drug related situations	E	4
91097	Demonstrate understanding of ways in which well-being can change and strategies to support well-being	I	4
90973	Demonstrate understanding of interpersonal skills used to enhance relationships	I	5

Some Unit Standards may be available

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:

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

Cost: \$250

Contact persons: Mr S. Huurnink & Mr J. Thomas

OUTDOOR EDUCATION (11OED)

This course is designed to introduce students to a range of outdoor activities and develop their confidence in the outdoor environment. Introduction to Outdoor Education activities, including but not limited to: abseiling, rock climbing, kayaking, caving, surfing, outdoor navigation/orienteering, snorkelling and Adventure Based Learning (ABL).

Entry requirement: HoD discretion - a high standard of responsible behaviour is required and a genuine interest in outdoor education activities

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
20152	Experience and complete abseiling sessions	I	1
20818	Demonstrate kayaking skills on sheltered or slow-moving water	I	2
20210	Experience rock climbing	I	1
448	Experience a caving trip	I	1
20141	Complete beginner orienteering courses	I	1
90964	Demonstrate quality movement in the performance of a physical activity – surfing	I	3
Level 2:			
467	Demonstrate personal and social development through participation in adventure based learning	I	3
28391	Snorkel dive in open water	I	2
476	Roll a kayak (offered to students excelling in standard 20818)	I	2

Cost: \$230

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 \$230 for the year long programme. This cost will cover transport, safety equipment, 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.elliott@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:

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
1.3	Quality skilled movement in an applied setting - Athletics	I	3
20141	Orienteering	I	1
467	Adventure based learning (Level 2)	I	3
1.9	Demonstrate self management strategies and describe the effects on participation in physical activity	I	3
3490	Complete an incident report	I	2
497	Demonstrate knowledge of workplace health and safety requirements	I	3
90953	Demonstrate understanding of carbon cycling	I	4

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 persons: Mr S. Huurnink & Mr J. Thomas

PERSONAL & SOCIAL DEVELOPMENT (11PSD)

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 co-operatively 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.

Entry requirement: HoD approval

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
29300	Maintain hauora - personal health and well-being (supported learning)	I	4
3503	Participate and communicate in a team or group to complete a routine task	I	2
1978	Basic employment rights and responsibilities	I	3
64	Perform calculations for the workplace	I	2
Achievement Standards offered:			
90971	Take action to enhance an aspect of personal well-being	I	3
90956	Demonstrate knowledge of an individual's nutritional needs	I	5

Contact person: Mrs D. Cooper

* E = External
UE Lit:

I = Internal
R = Reading

Cr = Credits
W = Writing

RW = Both



PHYSICAL EDUCATION (11PED)

The course consists of both practical and theoretical elements, offering an understanding of Physical Education at this level. An ideal course for those students wishing to pursue Physical Education in the senior school.

Entry requirement: Successful completion of Year 10 & HoD approval

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90962	Participate actively in a variety of physical activities and explain factors that influence own participation	I	5
90963	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	I	5
90964	Demonstrate quality movement in the performance of a physical activity	I	3
90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	I	4
90967	Demonstrate strategies to improve the performance of a physical activity and describe the outcomes	I	3

Contact persons: Mr H. Darkins & Mr J. Thomas

PHYSICAL WELL-BEING (11PWB)

Develop the knowledge, understanding, skills and attitudes needed to maintain and enhance personal health and physical well-being.

Entry requirement: Successful completion of Year 10 programme (verified by Year 10 PE Teacher)

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90962	Participate actively in a variety of physical activities and explain factors that influence own participation	I	5
90964	Demonstrate quality movement in the performance of a physical activity	I	3
90969	Take purposeful action to assist others to participate in physical activity	I	2
90966	Demonstrate interpersonal skills in a group and explain how these skills impact on others	I	4
90968	Demonstrate, and show understanding of, responsible behaviour for safety during outdoor education activities	I	3

Contact persons: Mr P. Tyslic & Mr J. Thomas

LANGUAGES FACULTY

ENGLISH (11ENG)

Students will complete a course of study working towards the standards for NCEA English. The course involves:

Creative and formal writing

The study of literary texts - novel, poetry, short story, nonfiction, drama

The study of moving images

Comprehension

Delivering a speech

Entry requirement: National Curriculum Level 5 for Reading and Writing, or at HoD discretion

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90849	Show understanding of specified aspect(s) of studied written text(s), using supporting evidence	E	4
90851	Show understanding of specified aspect(s) of unfamiliar written text(s) through close reading, using supported evidence	E	4
90052	Produce creative writing	I	3
90053	Produce formal writing	I	3
90855	Create a visual text	I	3
90857	Construct and deliver an oral text	I	3

Contact person: Mr M. Nogher

ENGLISH LANGUAGE & COMMUNICATION (11ELC)

This course is designed to support those who have not met Level 5 of the curriculum in Year 10 English. Students will be offered a range of internal and external Achievement Standards. Classes will be tailored to meet their needs.

Entry requirement: Students will be selected at HoD discretion

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90052	Produce creative writing	I	3
90856	Show understanding of visual text through close viewing, using supporting evidence	I	3
90857	Construct and deliver an oral text	I	3
90053	Produce formal writing	I	3
90852	Explain significant connections	I	4
90855	Create a visual text	I	3

Contact person: Mr M. Nogher

ENGLISH LITERACY (11ENL)

This is designed as a preparatory course for students not yet ready to study at NCEA Level 1. The focus of this course is the Literacy Unit Standards plus the opportunity to gain four Achievement Standards.

Entry requirement: Students will be selected at HoD discretion

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
26622	Write to communicate ideas for a purpose and audience	I	4
26624	Read texts with understanding	I	3
26625	Actively participate in spoken interactions	I	3

Achievement Standards offered:

90856	Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence	I	3
90857	Construct and deliver an oral text	I	3
90053	Produce formal writing	I	3
90052	Produce creative writing	I	3

Contact person: Mr M. Nogher

ESOL (11ESL)

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 1:	Title of Standard:	I or E *	Cr *
27983	Read and understand simple texts on familiar topics (EL)	I	8
27991	Participate in simple spoken exchanges on personal and familiar topics (EL)	I	10
27999	Write simple texts on familiar topics (EL)	I	8
28022	Demonstrate understanding of simple spoken information on familiar topics (EL)	I	5

Contact person: Mr R. Atkinson

JAPANESE (11JAP)

The Year 11 Japanese course continues to build the language skills developed in the junior cycle and is assessed on the NZQA standards listed below.

Entry requirement: Students must have reached a satisfactory level in Year 10 Japanese, with a minimum mark of 50% in the final examination

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90893	Demonstrate understanding of a variety of spoken Japanese texts on areas of most immediate relevance	E	5
90894	Give a spoken presentation in Japanese that communicates a personal response	I	4
90895	Interact using spoken Japanese to communicate personal information, ideas and opinions in different situations	I	5
90896	Demonstrate understanding of a variety of Japanese texts on areas of most immediate relevance	E	5
90897	Write a variety of text types in Japanese on areas of most immediate relevance	I	5

Contact person: Mrs D. Williamson

LANGUAGES via FarNet (11LANf)

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. Dependent on their ability, students may complete Level 1 internal and external assessments. FarNet offers a range of courses in French, German, Korean, Mandarin, Samoan, Spanish and Tongan. Please contact me if you require information about other languages you might wish to study.

Boys study in a supervised class with access to the required learning resources.

The course duration is mostly for a full year.

Cost: \$30 to be paid at the start of term 1 for access to Education Perfect as an online language resource used by FarNet tutors.

Contact person: Mrs D. Miller

SENIOR MĀORI ARTS (11SMA)

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 1:	Title of Standard:	I or E *	Cr *
27547	Identify ngā momo rākau whawhai	I	4
27544	Demonstrate knowledge of tākarō Māori	I	6
22752	Demonstrate knowledge and skills of performance components	I	3
22754	Demonstrate knowledge of the origins of Māori performing arts disciplines and events	I	4
22755	Demonstrate knowledge of a Māori performing arts costume ensemble	I	3
22753	Demonstrate knowledge of people associated with Māori performing arts	I	3
20948	Demonstrate knowledge of tūwaewae	I	8

Cost: \$10

Contact person: Mr W. Cooper

TE REO RANGATIRA (11TRR)

This course involves an in depth study of Te Reo Māori with emphasis on oral and written skills. The oral skill based component focuses on preparing speeches and oral activities. The listening component includes listening for meaning, and understanding. The reading comprehension and essay writing will cover the writing styles: giving instructions, dialogue, report and descriptive writing.

Entry requirement: Completion of Year 10 and/or HoD approval

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
91085	Whakarongo – Listening comprehension	I	6
91086	Kōrero - Oral speaking	I	6
91088	Tuhituhi - Written	I	6
91089	Tuhinga auaha - Creative writing	I	4

Contact person: Mr W. Cooper

MATHEMATICS FACULTY

MATHEMATICS WITH EXTERNALS (11MAE)

11MAE is a course of study working towards six NCEA Achievement Standards in Mathematics and Statistics. Successful completion of this course will ensure that students have the skills required to continue on to Level 2 Mathematics and beyond.

Entry requirement: Entry into this course will be based on Year 10 Mathematics results. Entry may be at the Mathematics HoF's discretion.

Achievement Standards offered: (this may change slightly)

Level 1:	Title of Standard:	I or E *	Cr *
91027	Apply algebraic procedures in solving problems	E	4
91028	Investigate relationships between tables, equations and graphs	E	4
91037	Demonstrate an understanding of chance and data	E	4
91032	Apply right angle triangles in solving problems	I	3
91035	Investigate a given multivariate data set	I	4
91029	Apply linear algebra in solving problems	I	3

Equipment recommended: A calculator, preferably a Casio 9750 Graphic calculator

Contact person: Mr A. Kitson



MATHEMATICS WITH INTERNALS (11MAI)

11MAI offers Level 1 standards that are all internally assessed. It is for students who are not confident in Mathematics and need time to develop their understanding and skills. This course leads to 12MAB.

Entry requirement: Entry into this course will be based on year 10 Mathematics results

Achievement Standards offered: (this may change slightly)

Level 1:	Title of Standard:	I or E *	Cr *
91026	Apply numeric reasoning in solving problems	I	4
91029	Apply linear algebra in solving problems	I	3
90135	Investigate a given multivariate data set using the statistical enquiry cycle	I	4
91030	Apply measurement in solving problems	I	3
91032	Apply right angled triangles in solving measurement problems	I	3
26623	Use number to solve problems	I	4
26626	Interpret statistical information for a purpose	I	3
26627	Use measurement to solve problems	I	3

Equipment recommended: An FX82 calculator

Contact person: Mr A. Kitson

MATHEMATICS NUMERACY (11MAN)

11MAN is designed for students who are aiming to gain numeracy for NCEA Level 1. The content is taught using practical contexts and a portfolio of work is developed to show evidence of achievement. This course does not allow entry into a Mathematics course at Level 2 or Level 3.

Entry requirement: Entry into this course will be based on year 10 Mathematics results

Unit Standards offered: (this may change slightly)

Level 1:	Title of Standard:	I or E *	Cr *
26623	Use number to solve problems	I	4
26626	Interpret statistical information for a purpose	I	3
26627	Use measurement to solve problems	I	3
91026	Apply numeric reasoning in solving problems	I	4
91030	Apply measurement in solving problems	I	3
91032	Applying right-angle triangles in solving problems	I	3

Equipment recommended: Calculator

Contact person: Mr A. Kitson

SCIENCE FACULTY

AGRICULTURE/HORTICULTURE SCIENCE (11AHS)

Students will gain a deeper understanding of the technical aspects of Horticulture to prepare them for employment prospects in the Agricultural or Horticultural industry. Topics cover Practical Gardening, Propagation, Soils, Plant/Animal Husbandry, the Primary Industries and Landscaping.

Entry requirement: Year 10 Horticulture or Achieved at Curriculum Level 5 in four Year 10 end of topic tests in Science or at discretion of TiC

Achievement Standards selected from:

Level 1:	Title of Standard:	I or E *	Cr *
90157	Demonstrate practical skills used in agriculture or horticultural production	I	4
90920	Demonstrate knowledge of the geographic distribution of agricultural and horticultural primary production in New Zealand	I	3
90922	Design a landscape plan that reflects user requirements	I	3
90160	Demonstrate knowledge of the impact on the environment of primary production management practices	I	3
90155	Demonstrate knowledge of pasture/crop management practices	I	4
90924	Demonstrate knowledge of horticultural plant management practices and related plant physiology	E	5

Cost: There may be transport costs for field trips

Contact person: Mr D. Jennings

PRIMARY INDUSTRIES (11PIN)

This class serves as an introduction to New Zealand's primary sector. Students will be invited to apply for membership in the Primary Industries Academy.

Students credited with the New Zealand Certificate in Primary Industries will be able to demonstrate fundamental knowledge and skills relevant to the Agriculture, Horticulture, Forestry and Aquaculture industries.

Entry requirement: Successful completion of Year 10 Agriculture/Horticulture and/or HoD approval

Qualifications: NCEA Level 1 and New Zealand Certificate in Primary Industries

Unit Standards selected from:

Level 1:	Title of Standard:	I or E *	Cr *
26969	Demonstrate knowledge of the New Zealand primary sectors	I	3
19137	Describe opportunities, advantages and disadvantages of rural development	I	2
19136	Demonstrate the social requirements for daily living in the rural industry	I	2
1	Garden planning. Prepare and sow outdoor seed beds manually	I	5
23783	Grow and maintain plants in containers from seed	I	5
23780	Undertake general garden maintenance	I	5
23782	Identify containers, materials, plants and tools used for propagation	I	2
Level 2:			
19145	Describe hydration, nutrition and sleep in relation to well-being of workers	I	4
19138	Monitor and interpret weather information	I	4
19143	Perform calculations for primary production situations	I	3

Cost: There may be a charge necessary to help pay for field trips. Costs are covered for boys accepted into the Primary Industries Academy

Contact person: Mr D. Jennings

SCIENCE (11SCI)

This course is the pathway for students who wish to study Science subjects at Year 12 and beyond. The units of work cover:

Practical Investigations

Genetics

Motion, Forces, Energy

Acids and Bases

Reactions and properties of groups of chemicals

Entry requirement: Achieved at Curriculum level 5 or 6 from the four end of topic tests in Year 10 Science

Achievement Standards selected from:

Level 1:	Title of Standard:	I or E *	Cr *
90935	Carry out a practical investigation, with direction, that leads to a linear mathematical relationship	I	4
90930	Carry out a practical chemistry investigation, with direction	I	4
90925	Carry out a practical investigation in a biology context	I	4
90940	Demonstrate understanding of aspects of mechanics	E	4
90944	Demonstrate understanding of aspects of acids and bases	E	4
90948	Demonstrate understanding of biological ideas relating to genetic variation	E	4

Cost: Australian Science Competition ICAS approx. \$15 (optional). There may be a cost for resources.

Contact person: Mr S. Kumar

SCIENCE BRIDGING (11SCB)

This course will continue to develop the knowledge and skills learned in Year 10 Science. It will be an internally assessed course with units of work chosen from the Year 11 Science Matrix and will cover all of the learning areas of the curriculum including The Living World, Material World, Physical World and Planet Earth & Beyond.

Entry requirement: Achieved at higher end of Curriculum Level 4 or lower end of Curriculum Level 5 from the four end of topic tests in Year 10

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90935	Carry out a practical physics investigation, with direction, that leads to a linear mathematical relationship	I	4
90930	Carry out a practical chemistry investigation, with direction	I	4
90925	Carry out a practical investigation in a biology context	I	4
90949	Investigate life processes and the environmental factors that affect them	I	4
90936	Demonstrate understanding of the physics of an application	I	2

Cost: There may be a cost for resources

Contact person: Mr M. Lawson

SOCIAL SCIENCE FACULTY

ACCOUNTING (11ACC)

The emphasis at this level is on Personal Accounting and Accounting for Sole Trader Businesses. Aspects covered include the conceptual basis of accounting, processing, systems, accounting reports and decision making. A total of 19 NCEA Level 1 credits will be offered in this course.

Entry requirement: At HoD discretion, with passes in English and Mathematics

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90976	Demonstrate understanding of accounting concepts for small entities	E	3
90977	Process financial transactions for a small entity	I	5
90079	Prepare financial information for a community organisation's annual general meeting	I	4
90980	Interpret accounting information for sole proprietors	E	4
90981	Make a financial decision for an individual or group	I	3

Contact persons: Ms K. Price & Mr R. Sharma

BUSINESS STUDIES (11BUS)

This course provides a foundation in Business Studies where students are introduced to the internal processes involved in running a small business. Students also learn marketing theory and apply the marketing mix to an existing product. They will then have an opportunity to put all the theory into practice by working together in a team environment to produce and market their own innovative product.

Entry requirement: Open entry at HoD discretion

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90837	Demonstrate an understanding of internal features of a small business	E	4
90839	Apply business knowledge to an operational problem(s) in a given small business context	E	4
90840	Apply the marketing mix to a new or existing product	I	3
90841	Investigate aspects of human resource processes in a business	I	3
90842	Carry out and review a product-based business activity within a classroom context with direction	I	6

Contact person: Ms K. Price & Mr T. Yung

CLASSICAL STUDIES (11CLS)

Why take Classical Studies? It introduces so much of what we have inherited from the Greeks and Romans such as law, philosophy, language, literature, history, drama, sports, politics, art, oratory, medicine, architecture, the sciences and astronomy.

Year 11 Classical Studies begins by introducing students to Roman civic life through a comparison of gladiatorial entertainment used at the Colosseum with modern-day MMA. Then, a close encounter with Nero, the famous Roman emperor, and lastly a reading of the Theban Plays.

Year 11 Classical Studies builds on the skills and knowledge developed in the junior courses. However, previous study of Classics is not a requirement.

Entry requirement: At least 50% in Year 10 Classics or English or similar



Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
91021	Theban Plays	E	4
91023	Emperor Nero	E	4
91024	Nero and his wives	I	6
91025	Roman Entertainment	I	6

Contact person: Mr R. Burrows

ECONOMICS (11ECO)

This course focuses on how three groups in the economy (households, firms and government) interact in the market place, and how this interaction results in decisions about what will be produced and the process of production. We also discover how the market functions as a mechanism for allocating scarce resources and determining prices. Where possible local firms and local economic issues will be used as case studies to explain economic theory.

Entry requirement: At HoD discretion, with passes in English and Mathematics

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90983	Demonstrate understanding of consumer choices using scarcity and/or demand	E	4
90984	Demonstrate understanding of decisions a producer makes about production	I	5
90985	Demonstrate understanding of producer choices using supply	E	3
90986	Demonstrate understanding of how consumer, producer and/or government choices affect society using market equilibrium	E	5
90987	Demonstrate understanding of a government choice where affected groups have different viewpoints	I	4

Contact person: Ms K. Price

GEOGRAPHY (11GEO)

This is an introductory course covering a wide range of skills, knowledge and ideas, relating to the physical and cultural world we live in. It extends upon concepts and skills introduced in Years 9 and 10 Social Studies.

Topics covered may include:

Sustainable use of Environments/Contemporary issues

Global Patterns

Extreme Natural Events

Geographic skills including mapping and graphing are an integral part of Geography and are taught throughout the year

Entry requirement: Achievement in three Social Studies assessments or HoD discretion

Achievement Standards selected from:

Level 1:	Title of Standard:	I or E *	Cr *
91007	Demonstrate geographic understanding of environments that have been shaped by extreme natural event(s)	E	4
91009	Demonstrate geographic understanding of the sustainable use of an environment	I	3
91010	Apply concepts and basic geographic skills to demonstrate understanding of a given environment	E	4
91011	Conduct geographic research, with direction	I	4
91012	Describe aspects of a contemporary New Zealand geographic issue	I	3
91013	Describe aspects of a geographic topic at a global scale	I	3

Cost: There may be a cost for fieldwork, maps and materials. Field trip in Northland examining the impacts and responses to flooding.

Contact person: Mr J. Warren

GETTING WORK READY (11GWR)

This course is designed to be a 'pre-work experience' which allows students to investigate the various work options that exist whilst also learning workplace expectations of behaviour, health and safety etc. Students will have the opportunity to visit workplaces (e.g. Kiwi Fruit Farm, Bunnings, Carter Holt Harvey, Warehouse) to observe entry level options in a variety of industries and to gather information to complete in-class unit standard assessments.

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
1978	Describe basic employment rights and responsibilities, and sources of information and/or assistance	I	3
30909	Describe how employee behaviours and/or attitudes contribute to positive workplace relationships and performance	I	2
4249	Describe obligations as an employee	I	3
56	Respond orally to customer enquiries	I	2
64	Perform calculations for a specified workplace	I	2

Level 2:

10781	Produce a plan for future directions	I	3
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Cost: Students will be asked to make a financial contribution towards field visits

Contact person: Ms K. Price

HISTORY (11HIS)

Year 11 History offers a broad introduction to the 20th Century and New Zealand's history including its search for security in the modern world.

Students will explore New Zealand's role in the First World War and discover the origins of Nazli Germany and the Second World War. Lastly, they will conduct a research inquiry into social change in New Zealand.

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

Topics studied will relate to:

The Origins of World War II 1919-1941

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
91001	Carry out an investigation of an historical event or place of significance to New Zealanders	I	4
91002	Demonstrate understanding of an historical event or place of significance to New Zealanders	I	4
91004	Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders	I	4
91003	Investigate sources of an historical event or place of significance to New Zealanders	E	4
91005	Describe the causes and consequences of an historical event	E	4

Contact person: Mr R. Burrows



SUPPORTED LEARNING FACULTY

SUPPORTED STUDY (11SS)

A supported study class will operate at Year 11 for a small number of selected students who have identified learning needs, or need assistance to manage the demands of NCEA assessment. Many of these students will have been in the Supported Learning classes in Years 9 and 10. Students will have one fewer option class than other Year 11 students. Supported Study will be co-ordinated and supervised by a teacher.

Students will use supported study time to:

- organise their notes and assessment dates and times;
- gain support with studying for their timetabled classes;
- improve their literacy and numeracy

Entry requirement: Dean and HoD discretion

Contact persons: Ms H. Ferguson & Ms K. Sylva

TECHNOLOGY FACULTY

ADVANCED ENGINEERING (11AEG)

Advanced Engineering is an internally assessed course focusing on qualifications for students to enter tertiary study in a host of fields that include, in particular, trade apprenticeships. The course will suit students who have a desire to produce quality projects in mainly ferrous materials, and encourage students to develop trade based skills. Students planning university study in engineering will be advantaged by having done some of the practical components of this course.

Entry requirement: Preference given to students completing Year 10 Metal Technology and DVC or at HoD discretion

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
4433	Simple measuring tools	I	2
22923	Develop basic engineering skills	I	12
22924	Develop a simple product	I	10
22926	Demonstrate knowledge of safety	I	2

Equipment required: 2B8 hardcover workbook, 30 page clear file and safety glasses

Cost: Take home component \$50 (approx.)

Contact person: Mr P. Yeoman

ADVANCED WOODWORK (11AWW)

Advanced Woodwork is an internally assessed course embracing a series of Industry Unit Standards, as well as related assignments and practical skills. The project themes require students to make careful plans and decisions in order to produce high quality products. The course is designed to carry over into Year 12 as a pre-apprenticeship programme. It is for students intending to pursue a career in wood-based industries including building, carpentry, joinery and cabinetmaking.

Entry requirement: Year 10 Materials Technology/Wood or HoD discretion

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
24356	Apply elementary workshop procedures and processes	I	8
25920	Demonstrating knowledge of joinery	I	3
24352	Safe working practices	I	2
Level 2:	Title of Standard:	I or E *	Cr *
12932	Construct timber garden furniture and items of basic construction equipment	I	8
12927	Identify, select, maintain and use hand tools	I	6

Cost: Take home component \$80 (approx.)

Contact person: Mr P. Yeoman

DESIGN & VISUAL COMMUNICATION (11DVC)

DVC is structured around design and its visual representation. 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. The use of CAD programmes is an integral part of this subject and is used to enhance student design outcomes.

Entry requirement: Year 10 DVC

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
91063	Produce freehand sketches	E	3
91064	Produce instrumental multi-view drawings	E	3
91065	Produce instrumental, paraline (3D) drawings	E	3
91066	Use rendering techniques	I	3
91067	Use the work of an influential designer	I	3
91068	Develop a design idea	I	6

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

Contact person: Mr P. Yeoman

DIGITAL LITERACY (11DGL)

This course provides industry based training in the use of digital technology. Students will obtain a sound grounding in the digital literacy skills necessary for today's workplace. The learning will be project based and assessed internally (no external examinations).

A variety of popular commercial computer applications will be covered including:

- Word processing – MS Word
- Desktop publishing – MS Publisher
- Spreadsheets – MS Excel
- Presentation – MS Publisher
- Web design – Adobe Dreamweaver
- Information gathering - MS OneNote/Google

Entry requirement: Subject to application and HoD discretion

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
18734	Create a web page using a template	I	2
18743	Produce a spreadsheet from instructions using supplied data	I	2
18758	Find information using the Internet	I	2
26745	Produce still images for a range of digital media	I	3
2792	Produce simple desktop published documents using templates	I	2
5946	Use computer technology to create and deliver a presentation from given content	I	3
25659	Create a web page using a mark-up language with a text editor	I	3
2780	Demonstrate and apply knowledge of a personal computer system	I	3

Contact person: Mr J. Clark



DIGITAL TECHNOLOGY (11DGT)

This course focuses on the development of computer science skills for further academic studies in Information Technology. Activities will include:

- Research, plan and design a multi-page website for a sport or hobby
- Create a formal business report with dynamically linked data and graphs from a spreadsheet
- Plan and develop a computer program in Python
- A hands-on activity on how to service a personal computer system
- Basic concepts of information management

Entry requirement: Year 10 Digital Technology course or assessment

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
91880	Develop a digital media outcome	I	4
91883	Develop a computer program	I	4
91884	Use basic iterative process to develop a digital outcome	I	6
91887	Demonstrate understanding of human computer interaction	E	3
Level 2:			
29770	Use the main features of a spreadsheet application for a purpose	I	3

Contact person: Mr J. Clark

ELECTRONIC PRODUCTS (11ELE)

This subject builds on the essential learning outcomes of Year 10 Electronic Products. It is assessed internally using NCEA Level 1 Achievement Standards in Technology. The course will suit students who have an avid interest in electronics. Electronic Products covers the theory of electronics and the practical application of the theory. Students will present their work in portfolios that detail the research, the design and the manufacture of the electronic product. Externally assessed standards have been included so that course endorsement is achievable at Merit or Excellence. This course also has 12 Literacy credits associated with it.

Entry requirement: Year 10 Electronics or HoD discretion

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	CV *
91044	Undertake brief development to address a need or opportunity	I	4
91046	Use design ideas to produce a conceptual design for an outcome to address a brief	I	6
91066	Rendering techniques to communicate the form of design ideas	I	3
91047	Undertake development to make a prototype to address a brief	I	6
90148	Demonstrate understanding of how technological modelling supports decision-making	E	4

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

Cost: Take home component \$70 (approx.)

Contact person: Mr J. Anderson

ENGINEERING TRADE ACADEMY (11ENAC)

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. The intention of this course is to gain Level 2 NCEA over 2 years. 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.

Contact person: Mr P. Yeoman

PRODUCT DESIGN (11PRD)

This subject builds on the learning outcomes of Year 10 Product Design. 11 Product Design is aimed towards students who have a good understanding of design concepts. It will be ideal for students who are interested in design but favour more practical outcomes than 11DVC whilst choosing a more academic option than 11AEG or 11AWW. The course will focus on design and build assignments with assessment based on Achievement Standards. Students will take home a unique high quality product which they have designed and made. Skills in conceptual sketching, design, development and refinement, presentation and production will be built on from Year 10. The use of CAD programmes and CNC machines are an integral part of this course and are used to enhance student outcomes.

Entry requirement: Year 10 DVC or Product Design, HoD discretion

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
91066	Use rendering techniques to communicate the form of design ideas	I	3
91064	Produce Instrumental multi-view of the graphic drawings	E	3
91065	Produce Instrumental paraline drawings to communicate design ideas	E	3
91048	Demonstrate understanding of how technological modelling supports decision making	E	4
91057	Implement basic procedures using resistant materials to make a specified product	I	6
91046	Use design ideas to produce a conceptual design for an outcome to address a brief	I	6

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

Cost: \$50 to cover take home materials

Contact person: Mr P. Yeoman



KEY DATES

2020

Wed	29	July	Subject Selection Evening 5:30pm - 7:30pm For students in Years 9 - 12 selecting 2021 subjects Senior staff, Head of Faculty staff, and Deans will be available to discuss subject selection with students and parents/cargivers
Thurs	30	July	Year 8 Open Evening 4:30pm - 7:00pm For students and parents/cargivers 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	5	Aug	Final day for online subject selection via parent portal - for Years 9 - 12 students selecting 2021 subjects
Wed - Thurs	19 - 20	Aug	Year 8 Enrolment Interviews in the School Hall - bookings are made through the School Office

2021

Tue - Thurs	19 - 21	Jan	Years 9 – 13 Deans available for subject consultation for all returning students and new enrolments
Tue	26	Jan	Years 9 & 13 students attend school Powhiri at 9.00am Years 10 – 13 Deans available at 11.00am for course changes
Mon	1	Feb	All students attend school

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.nz







WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

CONTACT US

P +64 9 430 4170

E enquiries@wbhs.school.nz

Kent Road, Regent, Whangārei 0112

PO Box 5034, Whangārei 0140

wbhs.school.nz

