

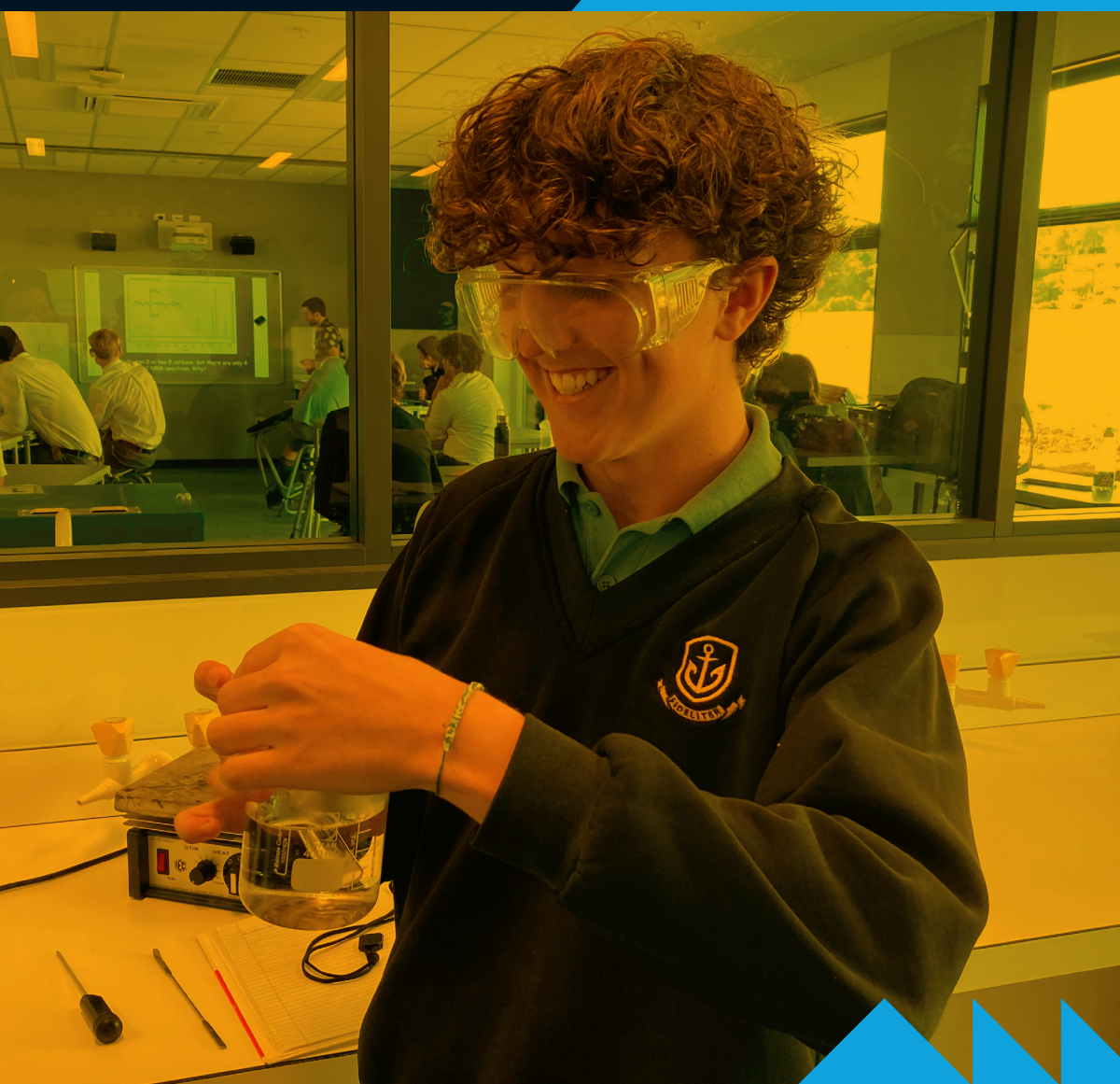


WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

CURRICULUM GUIDE

YEAR 11



2023

www.wbhs.co.nz

Welcome

TO OUR CURRICULUM GUIDE 2023

This publication contains all of the courses for Year 11 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 2023 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 2023 will be held at 5.30 – 7.30pm on Wednesday 3 August 2022, in the School Hall.

Subject selection for current students can be made via the KAMAR portal by Friday 12th August 2022. 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 2023, 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 2023 will inform and assist you with the important planning and decision-making for future learning.

Yours sincerely,

Karen Gilbert-Smith
– PRINCIPAL



Year 11

Information

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. Credits from Unit Standards will come from internal assessment of standards developed by industry and specific subject teachers.

To achieve NCEA Level 1, students must attain a minimum of 60 credits, and pass the specific Numeracy (10 credits) and Literacy (10 credits) assessments new to NZQA.

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) endorsement.

- **Individual subject Endorsement.**

This requires a student to achieve 14 or more credits at Achieved, 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.

NCEA Realignment

Over the next few years, NCEA will transition from its current form into the new qualification. On the current time line, the new Te Reo Matatini me te Pāngarau | Literacy & Numeracy co-requisite is set to become a mandatory part of the qualification from 2023. It is a package of standards that sit outside of the 60 credits learners need for each level of NCEA.

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 Whānau Teachers, Deans, Subject Teachers, and the Careers Department. 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. 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.

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	19
Total	142	98

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

POINTS TO NOTE

YEAR 9

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

YEAR 10

Students study six compulsory subjects and six 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. 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 Year 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.

- ✓ **These subjects are compulsory**
- * Option subjects
- + Approved subjects for University Entrance

Faculty	Year 9	Year 10
The Arts	<ul style="list-style-type: none"> * Art * Drama * Music 	<ul style="list-style-type: none"> * Art * Junior Performing Arts * Drama * Music * Photography and Design
Health, Physical Education and Outdoor Education	<ul style="list-style-type: none"> ✓ Health ✓ Physical Education * Outdoor Education * Sports Specific Training 	<ul style="list-style-type: none"> ✓ Health ✓ Physical Education * Outdoor Education * Sports Specific Training
Languages	<ul style="list-style-type: none"> ✓ English * Japanese * Junior Māori Arts * Te Reo Māori ESOL * Spanish ✓ Te Reo Māori 	<ul style="list-style-type: none"> ✓ English * Japanese * Junior Māori Arts * Te Reo Māori ESOL * Spanish
Mathematics	<ul style="list-style-type: none"> ✓ Mathematics 	<ul style="list-style-type: none"> ✓ Mathematics
Sciences	<ul style="list-style-type: none"> * Agriculture/Horticulture ✓ Science 	<ul style="list-style-type: none"> * Agriculture/Horticulture ✓ Science
Social Sciences	<ul style="list-style-type: none"> ✓ Social Studies * Innovation Stations * The World of Money * Ancient Mythology 	<ul style="list-style-type: none"> ✓ Social Studies * Crunching Numbers * Enterprise * Economics * Wealth by Stealth * Classical Studies * History
Technology	<ul style="list-style-type: none"> * Design & Visual Communication * Digital Technology ✓ Materials Technology * Food Technology 	<ul style="list-style-type: none"> * Design & Visual Communication * Digital Technology * Electronics * Product Design * Materials Technology Metal * Materials Technology Wood * Food Technology





	Year 11 - Level 1	Year 12 - Level 2	Year 13 - Level 3
	Art Digital Art Drama Music	Art Design Art Painting Drama Music Photography	+ Art Design + Art Painting + Drama + Music + Photography
	Health Physical Education Physical Well-being Outdoor Education Personal & Social Development	Health Physical Education Physical Well-being Outdoor Education Personal & Social Development Senior Rugby Academy	+ Health + Physical Education Physical Well-being Outdoor Education Personal & Social Development Senior Rugby Academy
	English English Language & Communication Japanese Senior Māori Arts Te Reo Rangatira ESOL	English English Language & Communication Japanese Senior Māori Arts Te Reo Rangatira ESOL	+ English English Language & Communication + Japanese Senior Māori Arts + Te Reo Rangatira ESOL
	Mathematics with Externals Mathematics with Internals Mathematics Numeracy	Mathematics with Externals Mathematics with Internals	+ Mathematics with Calculus + Mathematics with Internals + Mathematics with Statistics
	Agriculture/Horticulture Science External Science Primary Industries	Agriculture/Horticulture Science Biology Primary Industries Chemistry Physics Forestry	+ Agriculture/Horticulture (FarNet) + Science + Biology + Chemistry + Physics Forestry
	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
	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 Food Technology	+ Design & Visual Communication + Digital Technology Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork

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 | • Statistics |
| • Health | • Biology | • History | |
| • Chemistry | • Language | • Psychology | |
| • Maths | • Geography | • Economics | |

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

- | | | |
|--------------------------------|--------------|----------------------|
| • 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*

ONLINE LEARNING COMMUNITY

(Farnet & Te Kura)

These online courses cater for students who wish to study languages or subjects that are not currently available at WBHS. Depending on their ability, senior students may complete Level 1,2,3 internal and external assessments. Whether a subject is available may depend on the availability of a teacher and will also need to be approved by the Year Level Dean and E-Dean. Please contact the Careers Department for further information.

Please note: This is a self-directed learning option. Boys must be capable of working autonomously with minimal supervision. A weekly online lesson/meeting with the e-teacher may also be required and will be built into their timetable.

Resources: Boys will require their own device (laptop or chromebook) & headphones for this class.

Contact person: Mrs B Jenkins

PRIMARY INDUSTRY ACADEMY

The Primary Industries Academy at WBHS is designed to introduce students to all aspects of Primary Industry opportunities in New Zealand and to foster and facilitate interest in pursuing a career within this varied field. In addition to classroom work and study dealing with overviews of the industry as a whole, we encourage interest and enthusiasm by providing many other learning opportunities through extra course work and activities throughout the year.

Our Primary Industries Academy boys are encouraged to gain maximum experience, skills and confidence in their chosen field of interest by completing Work Experience Placements throughout the year and this often proves to be an invaluable stepping stone to employment. Selection into this Academy is from Y11 and Y12 PIN students who show a genuine interest in Agriculture, Horticulture, Aquaculture, Equine or any other Primary Industry.

Contact Person: Mrs P O'Leary

GATEWAY

This is structured workplace learning, mostly for students in Years 12 and 13. They experience an unpaid placement in a workplace 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:

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

Contact person: Ms MacLaine

TRADES ACADEMY

WBHS has opportunities in Trades Academies available in Engineering, Automotive, Construction, Cookery and Transport/Civil Infrastructure.

The fulltime L2 Engineering Trade Academy (ENAC) is delivered onsite at Whangārei Boys' High School with various courses held with other Tertiary providers. 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. Boys are enrolled in one literacy and one numeracy subject, DVC and Automotive, with the remainder of the time completing Engineering and Automotive projects. There is also a part time Engineering Trade Academy for Year 12 and Year 13 students who do not wish to be part of the ENAC program but are also interested in gaining an apprenticeship in the trades.

To be considered for a place in either of the Engineering Trades Academy, boys need have a conversation with one of their Deans, the ENAC Tutor or the Trades Academy Coordinator.

Contact Person: Miss D Thompson



ARTS FACULTY

PLEASE NOTE THAT YOU CANNOT DO YEAR 11 ART (11ART) AND YEAR 11 (11PAD) PHOTOGRAPHY AND DESIGN AS THEY HAVE THE SAME ACHIEVEMENT STANDARDS

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: \$30.00 take-home component. There may also be costs associated with Art field trips.

Contact person: Mrs V. Luders

PHOTOGRAPHY AND ART DESIGN (11PAD)

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

Entry requirement: Year 10 Art, 10PAD 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: \$20.00 to cover the take-home component of the course and an additional printing cost 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 Allen

DRAMA (11DRA)

This course furthers student 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 (optional)	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 (optional)	E	4
90998	Demonstrate understanding of a drama/theatre form (optional)	E	4

The external examinations are optional and offer the opportunity for students to gain endorsement in Drama. Internal standard 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



CAREERS & TRANSITION FACULTY

PATHWAYS TO SUCCESS (11PTS)

This course is an interactive transitional programme. It is designed to support students to gain important work/life-skills and succeed in workplace or tertiary pathways.

How is it structured? One option line and external block courses/ workshops throughout the year.

This programme is built around the following concepts:

Positive attitude, self-management / time management, communication, willingness to learn, thinking skills / problem solving, team work, resilience, driver licensing training, budgeting and financial capability, work experience.

Unit Standards offered:

NCEA credits will be an integral part of the programme and students will be able to achieve up to 18 credits throughout the year.

Contact person: Mrs B Jenkins

HEALTH, PHYSICAL EDUCATION & OUTDOOR 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 interpersonal skills, goal-setting, sexuality, nutrition, effects of drug and alcohol use and dealing with change, loss and grief. A variety of outside presenters from Health agencies help enhance the delivery of the programme.

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

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 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.

Unit Standards offered:

Standard	Title of Standard:	I or E *	Cr *
29300	Maintain hauora - personal health and well-being (supported learning)	I	1
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 persons: 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

Full payment, or a payment plan to pay the full amount by December 1 will need to be processed by December 1 (or upon course selection if after this date).

Contact person: Mr S. Huurnink



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: \$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 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 Rachel Thornton (r.thornton@wbhs.school.nz) for access to the hardship fund.

Full payment, or a payment plan to pay the full amount by December 1 will need to be processed by December 1 (or upon course selection if after this date).

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 person: Mr S. Huurnink

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

Contact person: Mr I. Morgan

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
90970	Demonstrate self management strategies and describe the effects on participation in physical activity	I	3

Contact person: Mr T. Peyton

INCLUSIVE LEARNING FACULTY

SUPPORTED STUDY (Multi SS)

A supported study class will operate at multi level 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, 12 or 13 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 HoF discretion

Contact persons: Ms H. Ferguson & Mrs L. du Preez

LANGUAGES FACULTY

ENGLISH (11ENG)

This course offers a range of internal and external NCEA Achievement Standards. It is designed to cater to, and challenge, students who are interested in the subject of English. Students who take this course will be able to attain Level 1 Literacy and be prepared for future academic studies.

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 supporting evidence	E	4
90052	Produce creative writing	I	3
90857	Construct and deliver an oral text	I	3
90053	Produce formal writing	I	3
90855	Create a visual text	I	3

Contact person: Mrs J. Morrison

ENGLISH WITH INTERNALS (11ENI)

This internally assessed course is designed to cater for those who need additional support with the study of English. Students will be offered a range of internal Achievement Standards which are tailored to meet their needs while allowing them to attain the Literacy requirement for NCEA Level 1.

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: Mrs J. Morrison

ENGLISH LITERACY (11ENL)

This course is designed to cater for students who find the subject of English challenging and may need extra time and support. Students will work with their teacher to tailor-make their own course from the Achievement and Unit Standards below to meet their personal needs, interests, and abilities, with a focus on attaining the Literacy requirement for NCEA Level 1.

Entry requirement: Students will be selected at HoD discretion

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
90855	Create a visual text	I	3
90856	Show understanding of visual and/or oral text(s) through close viewing and/or listening	I	3
90857	Construct and deliver an oral text	I	3
90052	Produce creative writing	I	3

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
1293	Be interviewed in an informal, one-to-one, face-to-face interview	I	2
3483	Fill in a form	I	2
3490	Complete an incident report	I	2
3501	Demonstrate knowledge of and apply listening techniques	I	2
3503	Communicate in a team or group to complete a routine task	I	2
9707	Demonstrate knowledge of workplace communication requirements	I	2

Contact person: Mrs J. Morrison

ESOL (11ESL)

English for Speakers of Other Languages (ESOL) assessments are conducted in English which must not be the student's first language. Students will work on speaking, listening, reading and writing in English; students will be assessed on these skills when ready from the selection of unit standards below.

English Language (EL and EL Foundation) Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
31024	Present basic information on an everyday personal topic (EL Foundation)	I	5
31030	Write phrases and simple sentences on personal topics (EL Foundation)	I	5
30979	Demonstrate understanding of simple spoken texts in everyday situations (EL)	I	10
31013	Participate in simple everyday spoken interactions (EL)	I	10
31025	Present simple information on an everyday familiar topic (EL)	I	5
30994	Read and understand simple texts in everyday contexts (EL)	I	5

Contact person: Mrs J. Morrison



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 completed Year 10 Japanese to a satisfactory level and/or HoF discretion.

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: Ms R. Murphy

SENIOR MĀORI ARTS (11SMA)

This course offers a combination of Māori Performing Arts, Mau Rākau, and Tikanga Māori standards. Mau Rākau and Kapahaka concepts are deeply explored, and when possible students do a basic carving techniques course. Prior knowledge of Māori Performing Arts and Te Reo Māori is not essential, but an advantage. Te Ao Haka standards may be added at a later date.

Unit Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
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
22753	Demonstrate knowledge of people associated with Māori performing arts	I	3
20948	Demonstrate knowledge of tūwaewae	I	8

Contact person: Matua Willie Cooper

TE REO MĀORI (11TRM)

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: Matua Willie Cooper

MATHEMATICS FACULTY

MATHEMATICS WITH EXTERNALS (11MAE)

Year 11 Mathematics with Externals explores the more abstract areas of mathematics; in particular, the majority of the course is focused on Algebra, Patterns and Graphs, and Chance and Data. These areas are supported with some internal assessments (Trigonometry, Linear Algebra, and Multivariate Data). Students who successfully pass the external examinations at the end of the year have the option to deepen their algebraic knowledge with 12MAE in Year 12.

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 angled triangles in solving measurement 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 or 9860 Graphic calculator.

Contact person: Mr R. Price

MATHEMATICS WITH INTERNALS (11MAI)

Year 11 Mathematics with Internals explores some of the most important and useful areas of mathematics: Number, Measurement, Trigonometry, and Linear Algebra. Understanding data is becoming more important in the modern workforce, and Year 11 Mathematics with Internals also covers the investigation and analysis of data through Statistics - in particular, Multivariate and Bivariate data. Students who successfully complete 11MAI have the option to continue with 12MAI in Year 12.

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
91035	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
91036	Investigate bivariate numerical data using the statistical enquiry cycle	I	3

Equipment recommended: Calculator

Contact person: Mr R. Price



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 *
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 R. Price

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 from the four end of unit assessments in Year 10 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

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 or TIC 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

Contact person: Mr D. Jennings

EXTERNAL SCIENCE (11SCE)

This course is the pathway for students who wish to study Biology, Chemistry or Physics at Year 12 and Year 13.

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 unit assessments 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).

Contact person: Mr T. W. Smith



SCIENCE (11SCI)

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 unit assessments 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
90949	Investigate life processes and the environmental factors that affect them	I	4
90936	Demonstrate understanding of the physics of an application	I	2

Contact person: Mrs L. Bourke-Heerikhuisen

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 person: Mrs Horsley

BUSINESS STUDIES (11BUS)

This course provides a solid foundation in Business Studies where students are introduced to the ins and outs of running a small business. Students learn marketing theory and analyse the marketing practices of a company for a specific product of their choice, as well as visiting a local business owner at the Waitangi MTB park. They will then have an opportunity to put all their theory into practice by working together to design, produce and market their own product at our annual marketplace event.

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: Mr T. Yung

CLASSICAL STUDIES (11CLS)

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.

Year 11 Classical Studies begins by introducing students to how the Roman people lived through an investigation of Roman relationships.

Next, students study the Colosseum, a centre of Roman entertainment for centuries. This topic ends with a comparison of gladiator entertainment used at the Colosseum with modern-day MMA.

Then, we study the famous Roman emperor Nero and his troubled relationships with his wives and mother.

Lastly, we read the famous Greek tragedy Oedipus Rex and understand Greek attitudes towards fate and the gods.

Achievement Standards offered:

Level 1:	Title of Standard:	I or E *	Cr *
91021	Demonstrate understanding of ideas and values of the classical world	E	4
91023	Demonstrate understanding of an important historical figure in the classical world	E	4
91024	Demonstrate understanding of social relationships in the classical world	I	6
91025	Demonstrate understanding of links between aspects of the classical world and another culture	I	6

Contact person: Mr R. Burrows



ECONOMICS (11ECO)

In this course students will discover 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 proficiency 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)

Geography is the study of people and the earth. It seeks to interpret the world we live in, and how it changes over time. Year 11 Geography explores both the physical and cultural worlds and the connections between the two. Students learn to think spatially as well as how to analyse maps, images, data and written information.

Topics covered include: Water Quality Research, GIS Mapping, Global Patterns, and Extreme Natural Events.

Entry requirement: 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
91014	Apply spatial analysis, with direction, to solve a geographic problem	I	3

Cost: There may be a cost for fieldwork

Contact person: Mrs R. Gordon

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: Mrs L. Cook

HISTORY (11HIS)

Year 11 History offers a broad introduction to the 20th century and the role New Zealand has had to play in it.

Students will explore the origins of the First World War and discover how Māori and British New Zealanders responded to the outbreak of war.

Next, students will learn about the rise of Nazi Germany, the Great Depression and the Second World War.

Lastly, they will cover the Civil Rights Movement in the United States from slavery to modern-day Black Lives Matters movement. This topic concludes with a research inquiry into social change in New Zealand.

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

Topics subject to change.

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



TECHNOLOGY FACULTY

MATERIALS TECHNOLOGY-ENGINEERING (11MTE)

Materials 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, footwear suitable for a workshop environment

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

Contact person: Mrs. S Byrne

11 MATERIALS TECHNOLOGY-WOOD (11MTW)

Materials Technology- Wood is an internally assessed course embracing a series of Industry Unit Standards & Achievement Standards. The project themes require students to make careful plans and decisions in order to produce high quality products. The course is designed to provide pathways for students in pre-apprenticeship programmes and those wanting to go to university. 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
24352	Safe working practices	I	2

Achievement Standards offered:	I or E *	Cr *
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

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

Contact person: Mrs S Byrne

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: 2H, F pencils, \$5 print credits

Contact person: Mr D. De Weerd

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:	Title of Standard:	I or E *	Cr *
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 \$50 (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. S. Barnsley

FOOD TECHNOLOGY (11FOOD)

The year 11 food course will consist of a mixture of practical and academic work aimed at students who either want to continue on in a culinary career or further tertiary study.

Entry requirement: At HoD discretion

Unit Standards offered: TBC

Level 1:	Title of Standard:	I or E *	Cr *
167	Food safety	I	4
15901	Fruit and Vegetable preparation	I	3
19770	Cheese and Egg preparation	I	2
15900	Meat Preparation	I	4
21058	Hospitality Pathways	I	2
21059	Knife Care	I	2
15921 v5	Cake, sponges and scones (If time allows)	I	3

Achievement Standards offered: TBC

90958 Cultural practices I 5

Total of 25 credits on offer

Equipment required: Covered shoes

Cost: Take home component TBC

Contact person: Mr. T Hayman

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. D. De Weerd



Key Dates

2022

Wed	3	Aug	Subject Selection Evening 5:30pm - 7:30pm For students in Years 9 - 12 selecting 2023 subjects Senior staff, Head of Faculty staff, and Deans will be available to discuss subject selection with students and parents/caregivers
Thu	4	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
Fri	12	Aug	Final day for online subject selection via parent portal for Years 10 - 13 students selecting 2023 subjects
Wed - Thu	17 - 18	Aug	Year 8 Enrolment Interviews in the School Hall Bookings are made through the School Office

2023

Tue - Thu	24 - 26	Jan	Years 9 – 13 Deans available for subject consultation for all returning students and new enrolments
Tue	31	Jan	First day of school, Y9 students and Y13 Prefects

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

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