



# WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

## CURRICULUM GUIDE

YEAR 10



# 2022

[www.wbhs.co.nz](http://www.wbhs.co.nz)

# KEY DATES

## 2021

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

## 2022

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

**Career Central** – [www.careercentral.school.nz](http://www.careercentral.school.nz)

**Vocational Pathways** – [www.youthguarantee.net.nz](http://www.youthguarantee.net.nz)

**Careers New Zealand** – [www.careers.govt.nz](http://www.careers.govt.nz)

**Occupation Outlook app** – [www.occupationoutlook.mbie.govt.nz](http://www.occupationoutlook.mbie.govt.nz)

**Just the Job** – [www.justthejob.co.nz](http://www.justthejob.co.nz)

**Student loans and allowances** – [www.studylink.govt.nz](http://www.studylink.govt.nz)

**Fees Free, Tertiary Education Committee** – [www.feesfree.govt.n](http://www.feesfree.govt.n)

# YEAR 10 DEANS' LETTER



Year 10 students study the compulsory subjects of English, Mathematics, Science, Social Studies, Health, and Physical Education.

There will be one Supported Learning class with smaller numbers and consistent teaching across the compulsory subjects.

## COMPULSORY SUBJECTS:

- English
- Mathematics
- Science
- Social Studies
- Health
- Physical Education

## OPTION SUBJECTS:

- Option subjects each run for half of the year unless otherwise indicated
- Students select 6 option subjects
- The selection must include at least one of Art, Drama, Music, Junior Performing Arts and/or Photography and Design
- The selection must include one of Design & Visual Communication, Digital Technology, Electronics, Food Technology, Materials Technology Metal, Materials Technology Wood, and/or Product Design

- Agriculture/Horticulture
- Art
- Classical Studies
- Crunching Numbers
- Design & Visual Communication
- Digital Technology
- Drama
- Economics
- Electronics
- Enterprise
- Food Technology
- History
- Japanese
- Junior Māori Arts
- Junior Performing Arts
- Materials Technology Metal
- Materials Technology Wood
- Music
- Outdoor Education
- Photography and Design
- Product Design
- Sports Specific Training
- Te Reo Rangatira (full year)
- Wealth by Stealth

During subject selection guidance is available from Whānau Teachers, Deans, subject teachers, and Careers staff at Whangārei Boys' High School. Students are encouraged to take a broad range of subjects.

## YEAR 10 DEANS



# ACADEMIC COURSES 2022

FACULTY	YEAR 9	YEAR 10	YEAR 11 - LEVEL 1	YEAR 12 - LEVEL 2	YEAR 13 - LEVEL 3
<b>The Arts</b>	* Art * Drama * Music	* Art * Drama * Music * Junior Performing Arts * Photography and Design	Art Digital Art Drama Music	Art Design Art Painting Drama Music Photography	Art Design + Art Painting + Drama+ Music + Photography +
	✓ Health ✓ Physical Education * 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
<b>Health &amp; Physical Education</b>	✓ English * Japanese * Spanish * Languages via FarNet ✓ Te Reo Māori * Junior Maori Arts * Te Reo Rangatira ESOL	✓ English * Japanese * Languages via FarNet ✓ Te Reo Māori * Junior Maori Arts * Te Reo Rangatira ESOL	English English Language & Communication English Literacy Japanese Languages via FarNet Senior Māori Arts Te Reo Rangatira ESOL	English English Language & Communication Japanese Languages via FarNet Senior Māori Arts Te Reo Rangatira ESOL	English + English Language & Communication Japanese + Languages via FarNet Senior Māori Arts Te Reo Rangatira + ESOL
	✓ Mathematics * Agriculture/Horticulture ✓ Science	✓ Mathematics * Agriculture/Horticulture ✓ Science	Mathematics with Externals Mathematics with Internals Mathematics Numeracy Agriculture/Horticulture Science External Science Primary Industries	Mathematics with Externals Mathematics with Internals Mathematics with Externals Mathematics with Internals Agriculture/Horticulture Biology Science Primary Industries Chemistry Physics Forestry	Mathematics with Calculus + Mathematics with Internals+ Mathematics with Statistics + Agriculture/Horticulture (FarNet) + Science + Biology + Chemistry + Physics + Forestry
<b>Languages</b>	✓ Mathematics * Agriculture/Horticulture ✓ Science	✓ Mathematics * Agriculture/Horticulture ✓ Science	Mathematics with Externals Mathematics with Internals Mathematics Numeracy Agriculture/Horticulture Science External Science Primary Industries	Mathematics with Externals Mathematics with Internals Agriculture/Horticulture Biology Science Primary Industries Chemistry Physics Forestry	Mathematics with Calculus + Mathematics with Internals+ Mathematics with Statistics + Agriculture/Horticulture (FarNet) + Science + Biology + Chemistry + Physics + Forestry
	* Start Your Own Business * The World of Money	* Start Your Own Business * The World of Money	Accounting Business Studies Economics Getting Work Ready	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 +
<b>Sciences</b>	* Ancient Mythology ✓ Social Studies	* Ancient Mythology ✓ Social Studies	Classical Studies Geography History	Classical Studies Geography History Psychology	Geography + History + Psychology +
	✓ Materials Technology * Digital Technology	✓ Materials Technology * Digital Technology	Design & Visual Communication Digital Technology Electronic Products Product Design Advanced Engineering Advanced Woodwork Engineering Trade Academy Food Technology	Design & Visual Communication Digital Technology Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork Engineering Trade Academy	Design & Visual Communication + Digital Technology + Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork
<b>Social Sciences</b>	* Ancient Mythology ✓ Social Studies	* Ancient Mythology ✓ Social Studies	Classical Studies Geography History	Classical Studies Geography History Psychology	Geography + History + Psychology +
	* Design & Visual Communication * Food Technology	* Design & Visual Communication * Food Technology	Design & Visual Communication Digital Technology Electronic Products Product Design Advanced Engineering Advanced Woodwork Engineering Trade Academy Food Technology	Design & Visual Communication Digital Technology Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork Engineering Trade Academy	Design & Visual Communication + Digital Technology + Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork
<b>Technology</b>	* Design & Visual Communication * Food Technology	* Design & Visual Communication * Food Technology	Design & Visual Communication Digital Technology Electronic Products Product Design Advanced Engineering Advanced Woodwork Engineering Trade Academy Food Technology	Design & Visual Communication Digital Technology Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork Engineering Trade Academy	Design & Visual Communication + Digital Technology + Electronic Products Product Design Pre-trade Engineering & Automotive Pre-trade Woodwork

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

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

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

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

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

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

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



# ADDITIONAL PATHWAYS OF LEARNING

## FARNET

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

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

## TE KURA (THE CORRESPONDENCE SCHOOL)

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

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

**Contact persons:** Mrs Miller & Deans

## GATEWAY

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

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

Examples are:

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

**Contact persons:** Mrs Draper & Deans

## TRADE ACADEMIES

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

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

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

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

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

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

# 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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|---|--|---|--|
| <ul style="list-style-type: none"><li>• Drama</li><li>• Dance</li><li>• Māori Performing Arts</li><li>• Music</li></ul> | <ul style="list-style-type: none"><li>• Media Studies</li><li>• Art Design</li><li>• Art</li><li>• Photography</li></ul> | <ul style="list-style-type: none"><li>• DVC</li><li>• Science</li><li>• Digital Technology</li><li>• Physical Education</li></ul> | <ul style="list-style-type: none"><li>• Maths</li><li>• Biology</li><li>• Outdoor Education</li><li>• Sales &amp; Customer Service</li></ul> |
|---|--|---|--|

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"><li>• Science</li><li>• Health</li><li>• Chemistry</li><li>• Maths</li></ul> | <ul style="list-style-type: none"><li>• Physics</li><li>• Biology</li><li>• Language</li><li>• Geography</li></ul> | <ul style="list-style-type: none"><li>• Social Studies</li><li>• History</li><li>• Psychology</li><li>• Economics</li></ul> | <ul style="list-style-type: none"><li>• Statistics</li></ul> |
|--|--|---|--|

- |   |  |  |  |
|---|--|--|--|
| <ul style="list-style-type: none"><li>• Business Studies</li><li>• Economics</li><li>• Sales &amp; Customer Service</li></ul> | <ul style="list-style-type: none"><li>• Accounting</li><li>• Geography</li><li>• Tourism</li></ul> | <ul style="list-style-type: none"><li>• Languages</li><li>• Digital Technology</li><li>• Science</li></ul> | <ul style="list-style-type: none"><li>• Hospitality</li><li>• Psychology</li><li>• Food Technology</li></ul> |
|---|--|--|--|

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|--|---|---|--|
| <ul style="list-style-type: none"><li>• Agriculture/Horticulture</li><li>• Economics</li><li>• Science</li></ul> | <ul style="list-style-type: none"><li>• Chemistry</li><li>• Accounting</li><li>• Forestry</li></ul> | <ul style="list-style-type: none"><li>• Primary Industries</li><li>• Biology</li><li>• Business Studies</li></ul> |  |
|--|---|---|--|

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"><li>• Woodwork</li><li>• DVC</li><li>• Metalwork</li><li>• Maths</li></ul> | <ul style="list-style-type: none"><li>• Automotive</li><li>• Science</li><li>• Physics</li><li>• Chemistry</li></ul> | <ul style="list-style-type: none"><li>• Geography</li><li>• Sales &amp; Customer Service</li><li>• Digital Technology</li></ul> | <ul style="list-style-type: none"><li>• Language Rich Subject</li><li>• Calculus</li></ul> |
|--|--|---|--|

- |  |  |  |   |
|--|--|--|---|
| <ul style="list-style-type: none"><li>• Maths</li><li>• Sciences</li><li>• Metalwork</li></ul> | <ul style="list-style-type: none"><li>• Physics</li><li>• Chemistry</li><li>• Digital Technology</li></ul> | <ul style="list-style-type: none"><li>• Language Rich Subject</li><li>• Geography</li><li>• Automotive</li></ul> | <ul style="list-style-type: none"><li>• Woodwork</li><li>• Calculus</li><li>• Electronics</li></ul> |
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## ARTS FACULTY

**PLEASE NOTE IF YOU CHOOSE TWO ART COURSES THERE IS ONLY ONE CHARGE OF \$10 FOR THE TAKE HOME COMPONENT**

### ART (10ART)

WHO ARE WE  
I AM ME

This course is designed to extend students in the area of visual arts, giving a strong foundation in drawing, painting, printmaking and mixed-media techniques. A range of exercises informed by Contemporary New Zealand and International artists and their practice, will encourage students to explore personal creativity while addressing their personal, cultural and environmental identity.

**Duration:** One semester

**Entry requirement:** Although it is preferential to have done Year 9 Art, it is not essential

**Cost:** Take home component \$10

**Contact person:** Mrs V. Luders

### PHOTOGRAPHY AND ART DESIGN (10PAD)

DOUBLE EXPOSURE

This course will introduce students to Photography and Photoshop foundation skills which will be a stepping stone for Year 11 Digital Art. Essential skills will be taught through a thematic approach combining Photography and Design.

**Duration:** One Semester

**Entry requirement:** Although it is preferential to have done Year 9 Art, it is not essential or HoD discretion.

**Cost:** Take home component \$10

**Contact person:** Mrs V. Luders

### DRAMA (10DRA)

This course continues working on students' co-operative learning skills through group tasks. Students will become familiar with drama techniques, elements and conventions. They will be given the opportunity to show their understanding of these drama aspects through performance assessments.

Students will perform scenes from plays, learn about a variety of theatre styles and have the opportunity to devise their own drama within a group.

**Duration:** One semester

**Entry requirement:** Willingness to perform in front of peers. Successful participation in year 9 Drama is preferred.

**Cost:** There will be further charges necessary to help pay for viewing live performances throughout the year.

**Contact person:** Ms F. Churcher

## MUSIC (10MUS)

This is an option subject that develops practical and theory components of music making. The course is based on playing instruments, creating music on digital audio work station, music/sound technology and developing music knowledge skills. Students are strongly encouraged to take advantage of the free itinerant music teaching programme to learn instruments such as trumpet, saxophone, keyboard, guitar, drums, flute and clarinet. Students who show advanced performance skills will be encouraged to attempt Level 1 performance achievement standards 91090 and 91091. This course leads to NCEA Level 1 Music.

**Duration:** One semester

**Cost:** A contribution towards field trips may be required

**Contact person:** Ms V. Hill

## JUNIOR PERFORMING ARTS (10JAR)

This course combines elements of drama, dance, music and performing arts technology to provide students who are multi-disciplinary in the performing arts with the opportunity to develop their skills. The course may lead to Performing Arts Technology, Drama and/or Music in the senior school.

**Duration:** One semester

**Entry requirement:** A keen interest in the performing arts and/or performing arts technology

**Cost:** A contribution towards viewing live performance may be required

**Contact person:** Ms. V Hill or Ms. F Churcher

## HEALTH & PHYSICAL EDUCATION FACULTY

### HEALTH (10HLT)

This course assists students:

- Develop the knowledge, understandings, skills and attitudes needed to maintain and enhance personal health and physical development
- Develop understandings, skills and attitudes that enhance interactions and relationships with other people
- Participate in creating healthy communities and environments by taking responsible and critical action

**Duration:** Full year

**Contact person:** Mrs D. Cooper

## OUTDOOR EDUCATION (10OED)

This course assists students in developing personal growth and technical skills within the outdoors. This course is designed to imbue students with a sense of leadership and the ability to work together as a team.

This course involves a variety of outdoor pursuits that include:

- Adventure based learning/ Problem solving and teamwork activities
- Navigation/ Orienteering
- Bouldering
- Bushcraft
- Conservation
- First aid

**Duration:** One semester

**Contact persons:** Mr S. Huurnink & Mr J. Loft

## PHYSICAL EDUCATION (10PE)

This course builds on the learning experiences of the Year 9 course with continued emphasis on participation in a range of physical activities aimed at Level V of the Health and Physical Education curriculum.

**Duration:** Full year

**Contact person:** Mr P. Tyslic

## SPORTS SPECIFIC TRAINING (10SPT)

This course looks to develop young sportsmen by having a better understanding of how to be fitter, faster and stronger.

This course will cover:

- Fitness testing
- Speed training
- Introduction to weight training
- Sport coaching
- Sports nutrition
- Sports psychology
- Principles of training

**Duration:** One semester

**Contact persons:** Ms S. Penney

## INCLUSIVE LEARNING EDUCATION FACULTY

### SUPPORTED LEARNING (10Tt)

A Supported Learning class operates in Year 10 for boys who have learning challenges or who do not cope well with the structure of secondary school learning. This class gives students who need extra help to cope with the secondary school curriculum the maximum opportunity to find success. Students receive extra learning support and develop positive relationships with their teacher in a stable, secure learning environment.

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





## LANGUAGES FACULTY

### ENGLISH (10ENG)

The English curriculum is based on the three language strands - oral language (listening and speaking), written language (reading and writing) and visual language (viewing and presenting). These strands are interwoven into the units studied.

At Year 10 level, units may focus more heavily on one strand than others. Trial assessments are carried out in preparation for Year 11.

**Duration:** Full year

**Contact persons:** Mrs K. Trimmer  
& Mr M. Nogher

### ESOL (10ESL)

This is a basic English language course which covers reading, writing, listening, speaking and grammar skills. This course is designed to give students English communication skills and to increase their confidence in using English in everyday situations as well as in the classroom setting to access the New Zealand curriculum.

**Duration:** Full year

**Entry requirement:** Pre-entry test

**Contact person:** Mr R. Atkinson

### JAPANESE (10JAP)

This course gives the student an opportunity to increase their language skills and learn more about the culture of Japan.

Topics covered are:

- Mastery of the Katakana syllabary and further development of the Kanji script
- Classroom language
- Family and occupations
- Spare time activities
- Weather and seasons
- Descriptions

**Duration:** One semester

**Contact person:** Mrs D. Williamson

### JUNIOR MAORI ARTS (10JMA)

This course provides a cross curricular theme of Maori Drama, Performance, Visual Arts and Tikanga and serves as a strong starting point for NCEA achievement. Junior Maori Arts also creates a pathway to senior Maori Visual and Performing Arts and complements Te Reo Rangatira.

**Duration:** One semester

**Contact person:** Mr W. Cooper

## LANGUAGES via FarNet (10LANf)

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

**Duration:** 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

### TE REO RANGATIRA (10TRR)

This course is for students with prior language learning. It builds and extends on existing skills.

Topics covered include:

- Ngā mihi (Speeches)
- Nga pūrongo (Reports)
- Nga kai Māori (Māori food)
- Nga kēmu pai ki ahau (Sports I like)
- Tāngata rongonui (A well-known personality)
- Tōku ao (My world)

**Duration:** Full year

**Entry requirement:** Year 9 Māori or HoD approval

**Contact person:** Mr W. Cooper

## MATHEMATICS FACULTY

### MATHEMATICS (10MAT)

Year 10 Mathematics explores and develops the ideas and content from Levels 4, 5 and 6 of the New Zealand Mathematics Curriculum. Learning will occur within a variety of meaningful contexts to help develop the ability and inclination to use mathematics and statistics to solve problems. Results from this course will help to determine class placement in Year 11.

The topics taught in Year 10 are:

- Number
- Algebra
- Geometry
- Measurement
- Statistics
- Probability

**Duration:** Full year

**Equipment recommended:** Casio 9750 or 9860 Graphic calculator or an FX82 Calculator

**Contact person:** Mr A. Kitson

## SCIENCE FACULTY

### AGRICULTURE/ HORTICULTURE (10AHS)

Research and recording skills will be developed through project work and recording the results of practical work. An agricultural unit has been included in the course to stimulate interest in farming and other land-based industries.

The course structure will be:

- Garden planning
- Plant husbandry
- Types & uses of plants
- Soils - plant propagation
- Plant structure
- Agriculture
- Environment
- Pests and diseases

**Duration:** One semester

**Entry requirement:** Open entry

**Contact person:** Mr D. Jennings

### SCIENCE (10SCI)

This course continues to develop the skills and processes that have been introduced at Year 9 through topics from the following strands:

- The Living World
- The Material World
- The Physical World
- Planet Earth and Beyond

**Duration:** Full year

**Cost:** Kiwi Science Competition approx. \$10 (optional)

**Contact persons:** Mr M. Lawson  
& Mr H. Dunckley

## SOCIAL SCIENCE FACULTY

### SOCIAL STUDIES (10SOS)

Social Studies helps students understand their world and gives them the skills and knowledge to play their part in society as active, socially conscious citizens. Skills will be developed through inquiry, values exploration and decision-making activities. Current events are monitored throughout the year.

Four major units of learning are covered:

- Sustainability
- Game changers
- Human Rights
- Ti Tiriti o Waitangi - Responses

Includes a field trip to Waitangi Treaty Grounds in Term 4.

**Duration:** Full year

**Contact person:** Ms L. Ross

## CLASSICAL STUDIES (10CLS)

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. Students will cover Greek gods and heroes and aspects of Greek history including the Trojan War, Bronze Age collapse and the Persian Wars.

Students will also learn about the Roman Republic and its military, politics, and impact on the modern world.

Topics subject to change.

**Duration:** One semester

**Contact person:** Mr R. Burrows

## HISTORY: MYTH AND REALITY (10HIS)

This course is for anyone who is interested in learning about the history of New Zealand and the controversial events and myths in our past. Students will uncover the truth behind the events that have shaped our understanding of the past and how these have influenced our view of ourselves as Kiwis.

Topics include:

- Leading the world - fact or fiction? Votes for women, the pension, nuclear-free, and gay marriage
- New Zealand at war and the price of citizenship
- The Springbok Tour - rugby and racism at home

Key skills include understanding differing perspectives and researching using primary sources.

Topics subject to change

**Duration:** One semester

**Contact person:** Mr R. Burrows

## WEALTH BY STEALTH (10WBS)

This project-based course establishes essential financial capability skills and will help students learn how to create their own wealth.

In this subject students will create virtual investments in:

- Property
- The share market
- Businesses and other investment options

They will also learn how to:

- Secure a Mortgage
- Calculate Return on Investment

**Duration:** One semester

**Contact person:** Ms K. Price

## CRUNCHING NUMBERS (10CRN)

Sharpen your pencil and grab your calculator! This half year course exposes students to the financial wizardry of Business Accounting.

In this subject students will learn about:

- Types of Business Ownership
- The Accounting Equation
- Classifying Revenues and Expenses
- Creating Statements of Financial Position

**Duration:** One semester

**Contact person:** Ms K. Price

## ENTERPRISE (10ENT)

This course promises to be an exciting half year where students develop their entrepreneurial capability, take the plunge and create their own business (with a group of classmates).

Some key content areas include:

- Business Basics
- Innovation and Entrepreneurship
- Product development
- Intellectual Property
- Marketing
- Consumer Law
- WBHS Dragon's Den

**Duration:** One semester

**Contact person:** Ms K. Price

## ECONOMICS (10ECO)

Get the lowdown on how the economy actually works... What is the government up to when it decreases income tax or increases benefit payments? What role does business play? How do interest rates affect the amount households spend or businesses invest? And how do exchange rates change?

Learn about:

- Businesses – how they make decisions about production
- Households – the world of work and what households spend their money on
- Taxation – who pays tax and is it fair... and what does the Government do with the money?
- Interest rates and exchange rates – how they interact with saving and investment, exports and imports
- Booms and busts – how does the Government keep control of our economy?

**Duration:** One semester

**Contact person:** Ms K. Price

## SUPPORTED LEARNING FACULTY

### SUPPORTED LEARNING

A Supported Learning class operates in Year 10 for boys who have learning challenges or who do not cope well with the structure of secondary school learning.

This class gives students who need extra help to cope with the secondary school curriculum, the maximum opportunity to find success.

Students receive extra learning support and develop positive relationships with their teacher in a stable, secure learning environment.

**Contact person:** Ms H. Ferguson

## TECHNOLOGY FACULTY

### DESIGN & VISUAL COMMUNICATION (10DVC)

This course of study equips students to use a design process to create a unique solution. The Year 10 programme builds on the core skills learned in Year 9 and provides the essential skills and learning for success at Year 11. DVC seeks to enable students to communicate ideas clearly and precisely through:

- Freehand drawing and rendering techniques
- Developing aesthetic awareness in students

At Year 10 the programme centres on:

- How to develop and refine design ideas to a final outcome
- Multi-view drawing and sectioning
- Modelling
- Perspective illustration
- CAD programmes; Google Sketchup and 2D Design

**Duration:** One semester

**Equipment required:** 2H and F pencils and eraser

**Contact person:** Mr P. Yeoman

### DIGITAL TECHNOLOGY (10DGT)

In this course the emphasis is on developing a broad range of skills in communicating information and ideas, and in accessing, planning, managing, and processing information. Successful completion of the course is a pre-requisite for entry into Level 1 Digital Technology in Year 11. All other applicants will be tested for entry to Year 11.

- Word processing - letters, reports and articles - Word
- Spreadsheets - budgeting and graphical presentation of data - Excel, formula
- Desktop publishing - posters, flyers, newsletter design - Publisher
- Graphics - photo editing, visual effects – Adobe Photoshop, GIMP
- Game programming - Scratch
- Web design - basic web page design – Adobe Dreamweaver, Notepad ++
- Presentations - digital presentations – PowerPoint
- Planning and creating a computer program - Python programming

**Duration:** One semester

**Contact person:** Mr J. Clark

## ELECTRONICS (10ELE)

This is an introductory course for students interested in Electronics and Design.

The course is based around the study of the component theory, the investigation of circuit designs, and the building of practical electronic products.

Students will be taught:

- Soldering techniques
- PCB production techniques
- Component recognition
- The theory of electronics
- PCB Design (including the use of CAD)
- Circuit testing and fault finding
- Robot building and programming

**Duration:** One semester

**Entry requirement:** At HoD discretion

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

**Cost:** Take home component \$25 (approx.)

**Contact person:** Mr J. Anderson

## FOOD TECHNOLOGY (10FOOD)

This course is open to all year 10 students. Increase your cookery skills and knowledge leading into Level 1. The course covers the following topic:

- Kai on the Marae
- Cuisine from around the world
- Shared vision; (Students learn to design, produce and develop their own food product for home.)
- Preserving Foods

**Duration:** One semester

**Entry requirement:** At HoD discretion

**Equipment required:** Covered shoes

**Cost:** Take home component TBC

**Contact person:** HOD or TIC

## MATERIALS TECHNOLOGY WOOD (10TMW)

Students will develop skills and safety practices, using both hand, and machine tools. Practical projects will be produced with each design project.

This semester based course, provides students with an introduction to working with wood and construction materials. Scaffolding learning opportunities and experience needed to make an informed choice regarding this subject at a senior level, and introduce the student to the possibilities of careers in Carpentry, Building and associated trades.

**Duration:** One semester

**Entry requirement:** At HoD or TIC discretion

**Cost:** Take home component \$20 (approx.)

**Contact person:** Mr P. Yeoman

## MATERIALS TECHNOLOGY METAL (10TMM)

Students will develop skills and safety practices, using both hand, and machine tools. Practical projects will be produced with each design project.

This semester based course, provides students with an introduction to working with ferrous and non-ferrous materials. Scaffolding learning opportunities and experience needed to make an informed choice regarding this subject at a senior level, and introduce the student to the possibilities of careers in the Engineering, Automotive and the many associated trades.

**Duration:** One semester

**Entry requirement:** At HoD or TIC discretion

**Cost:** Take home component \$20 (approx.)

**Contact person:** Mr P. Yeoman

## PRODUCT DESIGN (10PRD)

This course is designed to complement the Year 10 Electronics and DVC courses and build skills that will lead on to Year 11 Product Design.

The course will centre around three design and make projects, looking at a variety of materials and different design processes.

Students will learn to combine art, science and technology to design and create their products, utilising computer aided design and manufacture.

Product design will teach students to:

- Effectively communicate design ideas through freehand drawing and rendering techniques
- Develop these ideas through to a viable outcome
- Refine and communicate their final design ideas through the use of 2D and 3D computer software
- Recognise the properties and limitations of different types of resistant materials
- Construct their finished design to a high standard

**Duration:** One semester

**Entry requirement:** At HoD discretion

**Equipment required:** An A4 sketch pad, USB flash drive, pencils, coloured pencils, eraser, etc

**Cost:** Take home component \$20 (approx.)

**Contact person:** Mr P. Yeoman



# WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

## CONTACT US

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