

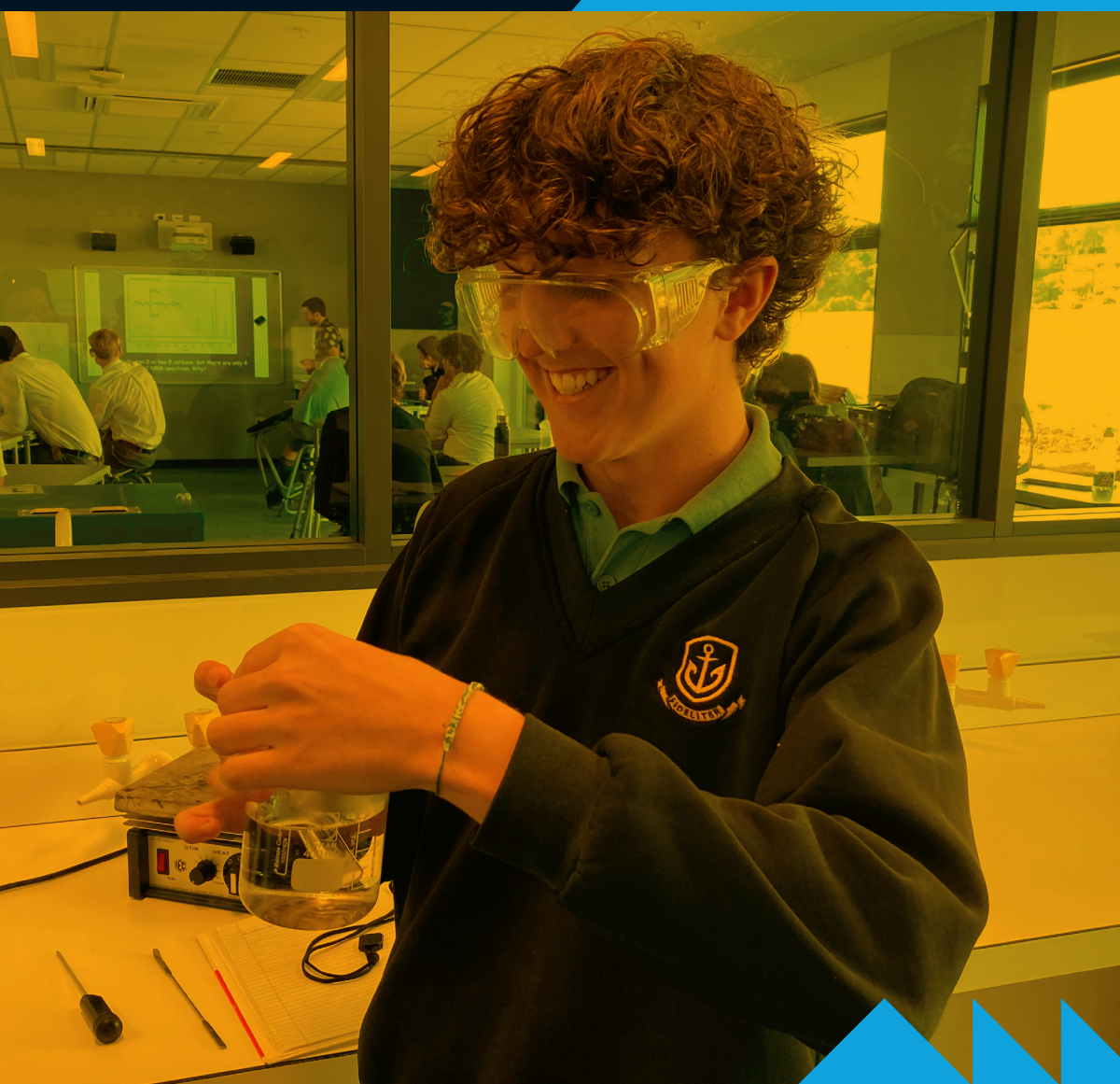


# WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

## CURRICULUM GUIDE

YEAR 9



# 2024

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

# Welcome

## TO OUR CURRICULUM GUIDE 2024

This publication contains all of the courses for Year 9 at Whangārei Boys' High School.

The curriculum guides for other year levels are available online at [www.wbhs.school.nz](http://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 2024 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 for current students can be made via the KAMAR portal by Friday 12th August 2023. 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 2024, 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 2024 will inform and assist you with the important planning and decision-making for future learning.**

Yours sincerely,

**Karen Gilbert-Smith**  
– PRINCIPAL



# Year 9

# *Information*

Thank you for choosing Whangārei Boys' High School for your son. Our Year 9 students have a wide variety of subject choices. Junior classes are mixed ability classes with a focus on differentiated learning strategies to meet the wide variety of student needs best. In addition, extra tuition for students who may benefit from it, may be available from our Literacy Support team.

Whangārei Boys' High School is a BYOD school for Year 9 students. Full details about BYOD at Whangārei Boys High School are included as an insert in the school prospectus and are available on the school website. Year 9 students will be required to bring a Chromebook (or similar) to use in class.

All Year 9 students study the compulsory subjects of English, Mathematics, Science, Social Studies, Health and Physical Education for a full year.

## **OPTION SUBJECTS:**

- Option subjects run for one semester (half year) unless otherwise indicated.
- To ensure students take part in the full breadth of the New Zealand Curriculum, students must make one selection from Te Reo Māori (half or full year), the Arts, and Technology areas.

Te Reo Māori:

Te Reo Māori (half-year), or Te Reo Māori (full-year)

The Arts:

Music, Drama, or Art

Technology:

Robotics & Electronics, Materials Processing (Wood & Metal), Digital Technology, Design & Visual Communication, or Food Technology

Students then select an additional three option subjects from the subjects below. So that students can follow their particular interests or strengths, all Arts and Technology subjects are freely available in these final three selections.

- |                                   |  |                                     |
|-----------------------------------|--|-------------------------------------|
| • <b>Agriculture/Horticulture</b> | • <b>Art</b>                                     | • <b>Drama</b>                      |
| • <b>Music</b>                    | • <b>Materials Processing (Wood &amp; Metal)</b> | • <b>Food Technology</b>            |
| • <b>Digital Technology</b>       | • <b>Design &amp; Visual Communication</b>       | • <b>Robotics &amp; Electronics</b> |
| • <b>Spanish</b>                  | • <b>Japanese</b>                                | • <b>Junior Māori Arts</b>          |
| • <b>Outdoor Education</b>        | • <b>Sports-Specific Training</b>                | • <b>The World of Money</b>         |
| • <b>Innovation Stations</b>      | • <b>Tourism</b>                                 | • <b>Ancient Mythology</b>          |

You will find more detailed subject information as you read on. Please be aware that the enrolment interview and information from the previous school will contribute to class placements. There will also be a supported learning class with smaller numbers and consistent teaching across the compulsory classes.

Students are placed in this class in consultation with whānau.

Enrolments can only take place after an interview with an Enrolment Officer at Whangārei Boys' High School. Please ensure you bring all the required documentation to the interview.

# POINTS TO NOTE

## YEAR 9

Students study 6 compulsory subjects and 6 option subjects. The selection must include at least one of the Te Reo Māori options, one Technology option and one from the Arts.

## YEAR 10

Students study 6 compulsory subjects and 6 option subjects. The selection must include at least one option from the Arts and one from Technology.

## 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
<b>The Arts</b>	<ul style="list-style-type: none"> <li>* Art</li> <li>* Drama</li> <li>* Music</li> </ul>	<ul style="list-style-type: none"> <li>* Art</li> <li>* Drama</li> <li>* Music</li> <li>* Junior Performing Arts</li> <li>* Photography and Design</li> </ul>
<b>Health and Physical Education</b>	<ul style="list-style-type: none"> <li>✓ Health</li> <li>✓ Physical Education</li> <li>* Outdoor Education</li> <li>* Sports Specific Training</li> </ul>	<ul style="list-style-type: none"> <li>✓ Health</li> <li>✓ Physical Education</li> <li>* Outdoor Education</li> <li>* Sports Specific Training</li> </ul>
<b>Languages</b>	<ul style="list-style-type: none"> <li>✓ English</li> <li>✓ Te Reo Māori</li> <li>* Te Reo Māori (full year)</li> <li>* Japanese</li> <li>* Spanish</li> <li>* Junior Māori Arts</li> <li>* ESOL</li> <li>* Foundation Skills</li> </ul>	<ul style="list-style-type: none"> <li>✓ English</li> <li>* Japanese</li> <li>* Junior Māori Arts</li> <li>* Te Reo Rangatira</li> <li>* ESOL</li> <li>* Spanish</li> </ul>
<b>Mathematics</b>	<ul style="list-style-type: none"> <li>✓ Mathematics</li> <li>* Foundation Skills</li> </ul>	<ul style="list-style-type: none"> <li>✓ Mathematics</li> </ul>
<b>Sciences</b>	<ul style="list-style-type: none"> <li>* Agriculture/Horticulture</li> <li>✓ Science</li> </ul>	<ul style="list-style-type: none"> <li>* Agriculture/Horticulture</li> <li>✓ Science</li> </ul>
<b>Social Sciences</b>	<ul style="list-style-type: none"> <li>* Innovation Stations</li> <li>* The World of Money</li> <li>* Ancient Mythology</li> <li>* Tourism</li> <li>✓ Social Studies</li> </ul>	<ul style="list-style-type: none"> <li>* Accounting</li> <li>* Enterprise</li> <li>* Economics</li> <li>* Wealth by Stealth</li> <li>* Classical Studies</li> <li>* History</li> <li>* Geography</li> <li>✓ Social Studies</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>* Materials Processing (Wood &amp; Metal)</li> <li>* Digital Technology</li> <li>* Design &amp; Visual Communication</li> <li>* Food Technology</li> <li>* Robotics &amp; Electronics</li> </ul>	<ul style="list-style-type: none"> <li>* Digital Technology</li> <li>* Electronics</li> <li>* Materials Technology Metal</li> <li>* Materials Technology Wood</li> <li>* Design &amp; Visual Communication</li> <li>* Food Technology</li> <li>* Product Design</li> </ul>







	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 Senior Rugby Academy	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 Spanish	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 Algebra Mathematics with Statistics 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 Chemistry Physics Forestry Primary Industries	+ Agriculture/Horticulture (FarNet) + Science + Biology + Chemistry + Physics Forestry
	Geography History Commerce	Accounting Business Studies Economics Sales & Customer Service Tourism & Travel Classical Studies Geography History Psychology	+ Accounting + Business Studies + Economics Sales & Customer Service Tourism & Travel + Classical Studies + Geography + History + Psychology
	Design & Visual Communication Digital Technology Electronic Products Advanced Engineering Advanced Woodwork Engineering Trade Academy Food Technology Product Design	Design & Visual Communication Digital Technology Electronic Products Pre-trade Engineering Pre-trade Woodwork Engineering Trade Academy Food Technology Pre-trade Automotive	+ Design & Visual Communication + Digital Technology + Electronic Products Pre-trade Engineering & Automotive Pre-trade Woodwork

*\* Subject to confirmation*



# VOCATIONAL PATHWAYS

## Creative, Cultural & Recreational Industries

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

## Health, Community & Social Industries

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

## Services Industries

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

## Primary Industries

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

## Construction & Infrastructure Industries

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

## Manufacturing, Engineering, Logistics & Technology Industries

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



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

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

- |                         |                 |                      |                            |
|-------------------------|-----------------|----------------------|----------------------------|
| • Drama                 | • 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      |              |

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

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

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

- |             |                      |                            |               |
|-------------|----------------------|----------------------------|---------------|
| • Maths     | • Physics            | • Language<br>Rich Subject | • Woodwork    |
| • Sciences  | • Chemistry          | • Geography                | • Calculus    |
| • Metalwork | • Digital Technology | • Automotive               | • Electronics |

## ARTS FACULTY

### ART (9ART)

Year 9 Art offers the opportunity to develop skills through a creative visual process. Students will communicate visual ideas about identity, place and culture while experimenting with a range of materials and technical processes.

**Duration:** One semester

**Cost:** Take home component \$5

**Contact person:** Mrs V. Luders

### DRAMA (9DRA)

A practical course introducing the subject. During the course, the emphasis is on focus, concentration and working cooperatively. Students will learn mime techniques and use these to create their own group drama. Students will also learn basic theatre skills, looking closely at the technical application of; use of voice, body, movement, and space. Students will rehearse and perform a short, scripted scene.

**Duration:** One semester

**Contact person:** Ms F. Churcher

### MUSIC (9MUS)

This is an option subject that focuses on practical components of music making, introduces new and develops existing musical skills. Assessment: Performance based assessment in practical and music knowledge skills.

**Duration:** One semester

**Entry requirement:** Previous learning on a musical instrument is not essential but an interest in Music is. Students are encouraged to enroll in free instrumental lessons on the Itinerant Music Programme.

**Contact person:** Ms V. Hill

## HEALTH, PHYSICAL EDUCATION & OUTDOOR EDUCATION FACULTY

### HEALTH (9HLT)

This course helps 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:** Mr. S Huurnink

## OUTDOOR EDUCATION (9OED)

This course introduces students to the skills involved in outdoor activities and taking Outdoor Education in the senior school.

Topics covered may include:

- Adventure Based Learning Activities
- Basic Rope Skills

**Duration:** One semester

**Contact persons:** Mr S. Huurnink  
& Mr B. Windsor

### PHYSICAL EDUCATION (9PE)

This course aims at providing learning experiences in a range of physical activities. It is the first of a two year junior Physical Education programme aimed at Level IV of the Health and Physical Education curriculum.

**Duration:** Full year

**Contact person:** Mr P. Tyslic

### SPORTS SPECIFIC TRAINING (9SPT)

This course covers the aspects of becoming a better athlete with relevance to the student's chosen sporting code. It is not a high performance course where students take time out of school to train. The course aims at assisting a student to become a fitter, faster, stronger athlete (in most sports), to better prepare him to perform on competition day.

This course will cover:

- Principles and methods of training
- Basic biomechanics/anatomy

**Duration:** One semester

**Contact person:** Mr T. Attwood

## INCLUSIVE LEARNING FACULTY

### SUPPORTED LEARNING (9T)

A Supported Learning class operates in Year 9 for boys who have learning challenges or may struggle with the structure of a secondary school setting. This provides students additional support maximising the opportunity to find success with the secondary curriculum. At times the year 9 and 10 Supported Learning classes will work collaboratively in core subjects. This will provide opportunities for tuakana teina, enabling positive relationships to develop.

**Contact persons:** Mrs S. Van Vuuren  
& Mrs L. du Preez

## LANGUAGES FACULTY

### ENGLISH (9ENG)

This compulsory course provides a foundation for the academic study of English literature whilst developing literacy skills in preparation for NCEA Literacy Standards. Opportunities to develop reading, writing, presentation and oral skills are provided through four term-based thematic units.

**Duration:** Full year

**Contact person:** Ms K. Walton

### ESOL (9ESL)

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:** Mrs S. Khan

### JAPANESE (9JAP)

This course gives the student an introduction to the language and culture of Japan.

Topics covered are:

- Mastery of the Hiragana syllabary and introduction to Katakana and Kanji
- Introducing myself
- Time, dates and numbers
- Classroom language
- Preparing basic Japanese food

**Duration:** One semester

**Contact person:** Ms R. Murphy

### JUNIOR MĀORI ARTS (9JMA)

This exciting māori course covers themes of Kapahaka, Mau Rākau, māori design techniques and lots of fun games like Pūkana, Whakaropi and Maui/Matau. Junior Māori Arts also creates a pathway to Senior Māori Visual and Performing Arts. Nau mai, Pūkana mai!

Topics covered are:

- Mau Rākau
- Kai Māori
- Kapahaka and Tikanga
- Traditional Games
- Mihimihi

**Duration:** One semester

**Contact person:** Matua Willie Cooper





## SPANISH (9SPA)

This course gives the student an introduction to the language and cultures of Spain and South America.

Topics covered are:

- Introducing myself
- Time, dates and numbers
- Classroom language
- Spanish festivals and food

**Duration:** One semester

**Contact person:** Ms A. Paul

## TE REO MĀORI ROTATION (9MAO)

This course comprises basic Te Reo and Tikanga. Students will be able to gain confidence and competence in speaking, listening, reading, and writing Te Reo Māori in familiar contexts.

Topics covered include:

- Basic conversational language
- Tōku whanau (My family)
- Tōku kura (My school)

Boys will perform the school waiata and haka, whilst learning Te Tai Tokerau history and tikanga protocols. An advanced level is embedded for students with a depth of prior knowledge of these aspects.

**Duration:** One semester

**Contact person:** Matua Willie Cooper

## TE REO MĀORI (9TRM)

This **full year** course is an initial pathway to Level 1 NCEA Te Reo Māori. It builds on existing skills but with a more explicit focus on grammar and vocabulary.

Topics covered include:

- Tōku Ao (My world)
- Purongo Māori (Report and event)
- Purākau o Whangārei (Local history)

**Duration:** Full year

**Contact person:** Matua Willie Cooper

## FOUNDATION SKILLS (9FLN)

This course is designed to provide targeted literacy and numeracy support to students with gaps in their knowledge. By doing this, students will be better prepared to undertake the new co-requisite standards for Numeracy and Literacy (reading & writing). These standards are essential for students to receive their NCEA Level One certificate. By focusing on foundational skills, students will increase their chances of success.

Topics covered include:

Literacy

- Punctuation and grammar
- Reading comprehension
- Planning, drafting, and editing writing
- Understanding how purpose and audience shape text(s)

Numeracy

- Improve and apply basic facts in a real context
- How to drive a calculator
- Mathematical literacy
- Building resilience through problem solving

**Duration:** One semester

**Contact persons:** Mr R. Price, Mrs D. Williamson, & Mrs K. Trimmer

## MATHEMATICS FACULTY

### MATHEMATICS (9MAT)

Year 9 Mathematics explores and develops the ideas and content from Levels 3, 4 and 5 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.

The topics taught in Year 9 are:

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

**Duration:** Full year

**Equipment recommended:** Calculator

**Contact person:** Mr R. Price

## SCIENCE FACULTY

### AGRICULTURE/HORTICULTURE (9AHS)

This is an introduction to Agriculture and Horticulture. It helps to give students a lifelong appreciation of growing plants successfully for profit or pleasure. Hands-on growing of plants from seeds and parts of plants as well as theory aspects of the successful growing of plants will be taught:

- Seeds
- Cuttings
- Soils
- Weeds
- Ornamental plants
- New Zealand native plants
- Conservation
- Uses of plants
- Herbs & landscaping
- Vegetable growing
- Fruit tree husbandry

**Duration:** One semester

**Contact person:** Mr D. Jennings

### SCIENCE (9SCI)

This course begins to equip students with the skills they need to understand the workings of the world around them. Students will be given an introduction to lab equipment and safety before they:

- Plan a mission to Mars
- Apply an understanding of chemistry and physics to sports science
- Learn how to survive in New Zealand's bush
- Study energy and transportation from the past, present and future

**Duration:** Full year

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

**Contact person:** Mrs F Barton

## SOCIAL SCIENCE FACULTY

### ANCIENT MYTHOLOGY (9MYT)

Interested in ancient Egyptian, Greek/Roman, Māori and Norse mythology? This course introduces you to the ancient world's gods, heroes, legends, and the cultures they come from. Learn about the Pharaohs of Egypt and their obsession with the afterlife. Explore a Greek temple and compare the myth of Herakles to Maui. Discover the real story behind the God of War.

**Duration:** One semester

**Contact person:** Mr R. Burrows



## SOCIAL STUDIES (9SOS)

Social Studies is a broad subject that combines aspects of History, Geography, Psychology, Tourism, and Economics. It examines the past, present, and future and encourages students to consider their place in the world and how they can be active, informed and socially conscious citizens.

Four major units of learning are covered:

- Our Place - Tūrangawaewae
- Systems of Government
- Conflict and Battlefields
- Impacts of Tourism

May include a local field trip in Term 4 (dependant on funding and other factors).

**Duration:** Full year

**Contact person:** Ms L. Ross

## INNOVATION STATIONS (9INV)

This course provides a platform to unlock your entrepreneurial flair. In a supported environment students work in teams to develop an innovative product idea and pitch it to judges.

Some key content areas are:

- Researching the market
- Developing a marketing strategy
- Branding
- Financial projections
- Product launch

**Duration:** One semester

**Contact person:** Mr T. Yung

## THE WORLD OF MONEY (9MNY)

This course offers an exciting introduction to the world of money. From barter to bitcoin, gold bullion and Alipay!

In this subject students will discover:

- How money has evolved as a medium of exchange
- Ways of generating income and the factors affecting household spending
- How to create and manage a simple budget
- How to evaluate short term and long term savings options
- How our values impact on our spending decisions

**Duration:** One semester

**Contact person:** Mr T. Yung

## AROUND THE WORLD IN 80 DAYS (9TOU)

What to travel the world and discover amazing things? In this course, students explore the world through tourism by exploring a range of destinations and attractions, languages, cultures, and food from all over the world - including looking at the unique attractions that we have to offer in NZ and Northland.

May include local and regional field trips (dependent on funding and other factors).

**Duration:** One semester

**Contact person:** Ms L. Cook

## TECHNOLOGY FACULTY

### DESIGN & VISUAL COMMUNICATION (9DVC)

The course of Design & Visual Communication (DVC) is designed to develop in students an ability to design and then express and communicate design ideas through drawing, sketching, Computer Aided Design (CAD) and modelling.

More specifically, students will:

- Learn a range of presentation techniques; such as Freehand drawing, rendering, instrumental drawing skills and CAD; namely Google Sketchup and 2D Design
- Be exposed to a variety of challenges and creative experiences
- Analysis of the designed world around them
- Effectively communicate about and evaluate design ideas
- Appreciation of the history of design

The course will introduce the student to the possibilities of careers in:

Architecture, Engineering, Draughting, Surveying, Computer Graphics, CAD, Photography, Kitchen Design, Digital Animation, Building Science, Multi-Media, Quantity Surveying, Furniture Designer, most trades eg. Carpentry, Engineering, Plumber, Sheet metal etc.

**Duration:** One semester

**Equipment required:** A4 clear file, eraser 2H pencil and F pencil.

**Cost:** Take home component \$5 (approx.)

**Contact person:** Mr. deWeerd

### DIGITAL TECHNOLOGY (9DGT)

This course establishes the basics of digital literacy including being able to manage and backup your files, how to stay safe online, how to use basic word processing and spreadsheet applications, and the basics of programming.

Students will cover:

- Scratch Programming – designing a game while learning the basic structures and terminology of programming
- Website Designing and creating their own website
- Python coding to create programs and games

**Duration:** One semester

**Equipment required:** It would be advantageous for students to have access to a computer at home and a 4GB flash drive which will be useful for them all through school.

**Contact person:** Mr J. Clark

## FOOD TECHNOLOGY (9FOOD)

In the Year 9 Food course students will gain practical cooking skills that will lay down a foundation for Year 10 and beyond. Topics Covered: Basic Hygiene, Nutrition, Allergies, Food Styles, Healthy Food and designing a whanau meal.

**Duration:** One semester

**Equipment required:** Covered shoes

**Cost:** Take home component TB

**Contact person:** Mr. T. Hayman

### MATERIALS PROCESSING (Wood & Metal) (9TMP)

Students will study techniques and processes used to address problems which require a technological solution. There is a high emphasis on workshop safety and workshop procedures. This course is semester based. Students will spend one term each in the wood and metal workshops. This course provides students with an introduction to working with wood and metal.

Scaffolding learning opportunities and experience needed to make an informed choice regarding this subject at a senior level. The course will introduce the student to the possibilities of careers in: Carpentry, Building, Engineering, Automotive and the many associated trades.

**Duration:** One semester

**Cost:** Take home component \$12 (approx.)

**Contact person:** Mr. Haynes

### ROBOTICS & ELECTRONICS (9REL)

Students will study techniques and processes used to address problems which require a technological solution. This course is semester based and covers half a year. It is an introductory course for students interested in Robotics and Electronics. The course is based around the study of electronic components, circuit designs, use of computer aided design (CAD), Laser cutting, 3D printing and the building of practical robotic/ electronic products.

The course will introduce the student to the possibilities of careers in Robotics, Mechatronics, Electronic Engineering, Mechanical Engineering, Artificial Intelligence, and many associated trades.

**Duration:** One semester

**Cost:** Take home component \$12 (approx.)

**Contact person:** Mr. Haynes



# Key Dates

## 2023

Wed	2	Aug	Subject Selection Evening 5:30pm - 7:30pm For students in Years 9 - 12 selecting 2024 subjects Senior staff, Head of Faculty staff, and Deans will be available to discuss subject selection with students and parents/caregivers
Thu	3	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 Auditorium
Wed - Thu	9-10	Aug	Year 8 Enrolment Interviews in the School Auditorium Bookings are made through the School Office
Fri	11	Aug	Final day for online subject selection via parent portal for Years 10 - 13 students selecting 2024 subjects

## 2024

Tue - Fri	23 - 26	Jan	Years 9 – 13 Deans available for subject consultation for all returning students and new enrolments
Tue	30	Jan	First day of school, Y9 students and Y13 Prefects

## 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.nz](http://www.feesfree.govt.nz)





# WHANGĀREI BOYS' HIGH SCHOOL

DEVELOPING BOYS INTO FINE MEN

## CONTACT US

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