



# YEAR 11 COURSE BOOKLET

## 2024

STUDENT NAME: \_\_\_\_\_

WHANAU CLASS: \_\_\_\_\_

### Student Guidance and Support

We have a number of staff who can advise students and their whānau about subject selection, education and vocational pathways. The Guidance Personnel are listed below:

Deputy Principal (careers leader)	Mr P Westwood
Assistant Principal & NZQA Principal's Nominee	Miss K Mahy
Careers Adviser and STAR Coordinator	Ms K Hayward
2024 Year 11 Dean	Mr Mc Gregor

To contact any of the staff above, phone the school office on 838 8303

### Subject selection evening

Whānau are invited to meet with our staff to discuss career pathways and 2024 subject selections for their tamariki on **Wednesday 2<sup>nd</sup> August, 5 – 6pm.**

This booklet is designed to assist future Year 11 students, along with their whanau, to choose subjects for 2024. We encourage students to select subjects that will build a vocational pathway that best suits them and their future intentions.

### Construction and Infrastructure

If you don't have buildings, roads, drainage, a water supply, functioning electricity or a telecommunications network you can't live or run a business in today's world. In this sector you'll work indoors and outdoors. Often it'll be dusty and noisy, but you'll get to feel the sun on your skin and the wind on your face. You'll move around from site to site, working with lots of different tradespeople, contractors, and clients. You'll have a variety of different tasks to do no matter what your job is, and you'll use many different tools and types of machinery. The work is physical and active. It's hard work, but there are plenty of laughs and jokes with good mates.

### Manufacturing and Technology

From hands-on production to cutting-edge research, from massive machines and busy production lines to individual crafts or computer design. In this sector you might be working with huge lumps of metal or delicately assembling tiny component parts, so small you can't even see them (nanotechnology). You'll be working indoors most of the time, with tools, machinery, and equipment, or maybe a computer. You could be producing things in their millions, or making or designing individual one-offs.

You might be fabricating, installing, fixing, or maintaining systems, or doing a job involving lots of thinking, planning, or making calculations. Many jobs are creative, methodical, detailed, and precise. Generally, in this pathway there's a very clear end point to the job you're doing and you'll be able say "I had a hand in that. It couldn't have happened without me."

### Creative Industries

This industry is for those people who work or study in visual and performing arts as artists or technicians, or in the design and development of products, including communications. This pathway also includes those who work in film and digital technologies and in events development and management, including heritage and cultural advice. Māori and Pacific culture and identity is fully represented in this pathway.



### Social and Community Service Industries

This sector can be exciting, personally rewarding, and physically and emotionally demanding. The range of jobs is huge – from monitoring and protecting people and property (corrections, defence, or firefighting) to caring for people in need (health care, community and social work, medicine, or therapy). You may work outdoors or inside, or move from place to place. Wherever you are, you'll be dealing with people of all ages and walks of life.

There will be times where you'll find yourself in fast-changing, challenging situations where you may have to make quick decisions under pressure. Wherever you work you're likely to be part of a strong, active, and committed team.

### Primary Industries

This vocational pathway offers opportunities to work outdoors planting, growing or tending trees, crops and animals. You may work alone, sometimes in isolated places, or with a bunch of like-minded people. Further from the farm, you could be in a processing plant, turning primary produce into goods for sale and export. You may also work in a big city office, organising shipping, or developing government policy. If you're into science and technology, you're valued in this sector, whether you're analysing data or contributing to the next world-leading agricultural breakthrough.

### Service Industries

From travel to tourism, hairdressing to hospitality, physical fitness to finance services. This sector is best for people who enjoy working with other people. Good communication and presentation skills are important. You will need to be able to work in teams and deal with people from all walks of life. If you can work out how to handle tricky situations diplomatically, you'll go a long way.

Knowledge of New Zealand and local culture and heritage is a real asset. And because employers and customers are keen on people who have the X-factor, a willingness to learn and being passionate about your work is also important.

## 2024 Year 11 Subject Lines

After reading about the courses available complete the following table. You will need to choose one subject from each line.

Name: \_\_\_\_\_

Whanau Class: \_\_\_\_\_

<p><b>The vocational/career pathways that interest me are:</b></p>   	<p><input type="checkbox"/> I would like to find out more about <b>Star Agriculture</b></p>
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Line 1	Line 2	Line 3	Line 4	Line 5	Line 6
<input type="checkbox"/> Programming and digital media <input type="checkbox"/> Food and nutrition <input type="checkbox"/> Sports Science <input type="checkbox"/> Te Reo Maori	<input type="checkbox"/> Agricultural and horticultural science <input type="checkbox"/> English <input type="checkbox"/> Science	<input type="checkbox"/> English <input type="checkbox"/> Mathematics 1 <input type="checkbox"/> Mathematics 2	<input type="checkbox"/> Geography <input type="checkbox"/> History <input type="checkbox"/> Hard materials technology <input type="checkbox"/> Textiles technology <input type="checkbox"/> Music	<input type="checkbox"/> Art <input type="checkbox"/> Economics <input type="checkbox"/> Food technology <input type="checkbox"/> Sports science	<input type="checkbox"/> Mathematics 1 <input type="checkbox"/> Mathematics 2 <input type="checkbox"/> Science



## Science



## Mathematics

Course name and description	Credits		✓
	I	E	
<p><b>Science</b> (SCI111, SCI121, SCI131) Note: you need to do a Science or Agriculture/Horticulture course. However, you could also choose to do both.</p>			
<p>Level 1 Science is recommended to all students and provides an opportunity to build knowledge and skills for everyday implications. The course consists of both theory and practical work. All Science classes will be learning the same content. This course also leads to Level 2 Biology, Chemistry, and Physics.</p>	10	10	
<p><b>Agricultural and Horticultural Science</b> (AGH101)</p>			
<p>Agricultural and Horticultural Science is recommended to students who have a passion for the growing environment and wish to learn more about soil, water, climate, plants, and animals, in a New Zealand farming context.</p> <p>This course leads to Level 2 Agriculture &amp; Horticulture.</p>	11	9	
<p><b>Mathematics 1</b> (MAT111, MAT121) Note: you need to do a Mathematics course</p>			
<p>This course is designed for students who want to further their interest in Mathematics and Statistics to complement courses such as Science and Technology. This course allows students to build a good foundation of skills to be used through to Year 12.</p> <p>This course is recommended for students who have achieved Level 1 Numeracy.</p>	10	10	
<p><b>Mathematics 2</b> (MAT112, MAT122)</p>			
<p>This course is for students who are interested in studying Mathematics and Statistics and its application to various careers. It builds foundation skills such as logical and quantitative thinking, collection and analysis of data, computing, interpreting and practical applications. This subject makes progressions to university courses.</p> <p>This course is recommended for students who still need to achieve Numeracy.</p>	10	5	





**English**



**Social Science**

Course name and description	Credits		✓
	I	E	
<p><b>English</b> (ENG111, ENG121, ENG131, ENG141) Note: you need to do an English course</p> <p>These courses offer students opportunities to make and create meaning of a range of written, visual, oral, and New Zealand texts. Some of these texts will be self-selected by students for a range of purposes and audiences and in a variety of forms. Through both portfolio styles of assessment and examination conditions, students will explore and develop a range of vital skills and key competencies with a focus on language and communication.</p> <p>At Wairoa College, the study of English incorporates Mātauranga Māori and considers our place in the Pacific.</p> <p>The study of English affirms language as integral to identity.</p>	10	10	
<p><b>Geography</b> (GEO101)</p> <p>Geography Level 1 will focus on: Demonstrate understanding of the spatial distribution of phenomena and its impacts within te taiao, explore te taiao using data, demonstrate understanding of how natural processes operate within te taiao, and demonstrate understanding of geographic decision-making in Aotearoa New Zealand or the Pacific.</p>	10	10	
<p><b>History</b> (HIS101)</p> <p>History Level 1 will focus on: Engage with a variety of primary sources in a historical context, demonstrate understanding of the significance of a historical context, demonstrate understanding of historical concepts in contexts of significance to Aotearoa New Zealand, and demonstrate understanding of perspectives on a historical context.</p>	10	10	
<p><b>Economics</b> (ECO101)</p> <p>The study of business studies helps us to work out how goods and services will be produced and used. People who study business studies are interested in the factors that influence the wellbeing of people and aim to find solutions to improve people’s standard of living. Possible course content could include: investigating the factors that affect consumer and producer choices, supply and demand, and the interdependence of different sectors in the New Zealand economy.</p>	12	4	

		Credits		✓	
		I	E		
<b>Health and PE</b> 	<b>Sports Science (SPS101)</b>				
	<p>Sport Science is for students who are interested in participating in a range of physical activities and able to explain biophysical and sociological principles. This course is largely theoretical. Students will build knowledge and apply skills relating to hauora (well-being), interpersonal skills, leadership strategies, anatomy, biomechanics and exercise physiology. This course has a strong Achievement Standard focus. Students are expected to also cover the following areas of study: Reflection on participation in a range of physical activities, Outdoor education activities, Interpersonal skills, Risk Management, Sport and recreation activities</p>	10	10		
<b>Te Reo Māori</b> 	<b>Food and Nutrition (FNT101)</b>				
	<p>This course is about the complex inter-connection between physical, mental, emotional, social and spiritual dimensions of people's lives. They will explore Māori and Pacific knowledge bases, values and practices related to hauora and well-being. Through Food and Nutrition ākongā can learn about how kaitiākanga, manaakitanga and whanaungata contribute to the hauora of individuals, whānau and communities.</p> <p>In this subject, ākongā develop an understanding of current issues related to food, nutrition and health and learn about how a range of factors influence well-being. This learning can help ākongā understand what contributes to healthy relationships and develop strategies to strengthen their sense of identity and self-worth.</p>	10	10		
<b>Te Reo Māori</b>		<b>Te Reo Māori (TRM101)</b>			
<p>The Level 1 programme allows students to gain knowledge and understanding of skills essential when learning or wanting to develop concepts of another language, in this case Te Reo Māori. Students are also encouraged to join the Kapa Haka group to further develop their language skills through waiata and haka. Gaining Level 1 in Te Reo Māori is a pre-requisite to entering into Level 2 Te Reo Māori.</p> <p>Course expectations: Have 85-90% attendance. Complete assessments by due dates. Have the appropriate stationery to all classes.</p>		18	12		


## Technology



Course name and description	Credits		✓
	I	E	
<b>Programming and Digital Media (DPM101)</b>			
This course focuses on Python programming, developing digital outcomes and human-computer interfaces. Strong numeracy and literacy skills are recommended.	10	10	
<b>Hard Materials Technology (MPTH101)</b>			
This course develops student understanding of the necessary safety requirements, content knowledge and practical basic craft skills applicable to acquiring and demonstrating the NCEA competency of accuracy. Furthermore, there is a deliberate emphasis on fostering critical thinking, problem-solving and sharing prior knowledge, with a practical focus on trades-based skills and learning contexts.	12	8	
<b>Textiles Technology (MPTT101)</b>			
This course follows the design process, practice health and safety, experiment with specialist equipment, investigate fabrics and fibres to create original textile items for self or whanau.	12	8	
<b>Food Technology (MPTF101)</b>			
In this course students will learn to follow the design process. They will learn the importance of food safety and hygiene and develop practical skills in food design and processing.	12	8	
<b>Music (MUS101)</b>			
Music is a language that allows students to communicate intent, make connections, and build resilience. Students will develop musical skills to help them express and connect with their culture, identity, and feelings. Credits in this subject can be attained via a combination of performance, composition, music technology, research, analysis, and music theory. Students have access to modern facilities and are encouraged to build confidence by entering song-writing and band competitions, as well as perform in front of their peers and community. Course expectations: A positive attitude, commitment to regular practise, a self-directed learning approach. Prior music experience is not a pre-requisite for Level 1.	10	10	

## Music



		Course name and description		Credits		✓
				I	E	
<b>Art</b> 	<b>Visual Arts (ART101)</b>					
	<p>Year 11 Art is structured to lead to tertiary study and career opportunities. It is a foundation year where students get to experience many areas such as: drawing, painting, printmaking, design, photo-shop and exposure to photograph and design. The skills that students develop during this year will enable them to learn and decide what discipline (mentioned in previous sentence) they are most interested in, to help them make future decisions in Visual Arts. Students will need to study a selection of New Zealand and international artists and show evidence of their style in their own artwork while developing their own unique individual style.</p>	6	12			
<b>Vocational Studies</b>	<b>Star Agriculture (SAG102)</b>					
	<p>For those who like the outdoors, farming, hunting, working with plants and animals. Experience fencing, chainsaws, woolsheds – and all the other aspects involved in farming.</p> <p><b>This course includes one day of off-site learning a week.</b></p>	22				



## Wairoa College Learning and Vocational Pathways

It is important that the course selections you make for 2024 prepare you for your career goals. Look at the careers you are interested in (on the right) and follow the pathway back to the Level you will study next year. These are the courses you should be selecting.

Year 9 & 10	NCEA Level One	NCEA Level Two	NCEA Level Three	Vocational Pathways
Science	Science	Biology	Biology (UE)	Biology is recommended for any student considering a pathway in any career linked to health sciences (doctor, nurse, vet, quarantine officer, etc.), food technology, agriculture, horticulture, aquaculture, and environmental science.
		Chemistry	Chemistry (UE)	Chemistry can lead to a number of 21st century careers including: medicine and other health sciences (vet, pharmacy, physiotherapy, dentistry, nursing, etc.), engineering, food technology, agriculture, horticulture and environmental science.
		Physics	Physics (UE)	Physics is necessary for students wishing to go into any engineering career. Physics is also recommended for a career in medicine and other health sciences (nursing, radiography etc.) and architecture.
Agricultural and horticultural science	Agricultural and horticultural science			Agriculture and Horticulture Science is a nationally significant subject, due to its contribution to the economy. Students who take this subject will have numerous career pathways including further study in subjects such as Ag-Science, Agribusiness, Technology, Soil Sciences, Forestry, Viticulture, Microbiology, Environmental Sciences, and Aquaculture. Or more practical career pathways such as Dairy, Sheep, and Beef farming, Crops and Horticulture cultivation, Fishing and Seafood industry, Nursery and Floriculture production, Silviculture, and Amenity Garden and Sports Turf Management.
English	English	English	English (UE)	Journalist, reporter, radio broadcaster, author, teacher, medical professional, lawyer, editor, film and TV producer/director, librarian, scientist, film reviewer and a range of other pathways that require employees to communicate in a variety of ways.
		Media Studies	Media Studies	Media Studies graduates can find job opportunities in Marketing, Broadcasting, Photography. Other areas include: digital marketing specialist, media planner, public relations (PR) specialist, social media manager and web content manager.
Mathematics	Mathematics 1	Statistics	Statistics (UE)	Building and Construction, Engineering, Manufacturing and Technology, Primary Industries, Service or Creative Industry.
		Calculus	Calculus (UE)	
	Mathematics 2	Mathematics		

Year 9 & 10	NCEA Level One	NCEA Level Two	NCEA Level Three	Vocational Pathways
Social Studies	Geography	Geography	Geography (UE)	Beyond school, Geography can be a pathway to further education and training related to a range of sectors such as: primary industries, services, social and community, manufacturing and technology, construction and infrastructure, creative industries.
	History	History	History (UE)	History falls under the Social and Community Services Vocational Pathway. Where possible, History at Wairoa College encompasses events occurring in New Zealand and/or global events involving or influencing New Zealanders.
	Economics	Economics	Economics (UE)	The study of economics could lead to a career in business, finance, accountancy, construction management, teaching, real estate, and government.
Health and PE	Sports Science	Sports Science	Sports Science (UE)	Plan and run leisure programmes, Conservation (e.g., ranger), Defence force, Education, Health (e.g., massage therapist, podiatrist), Public order and safety (e.g., fire fighter, police officer), Sport and recreation (e.g., personal trainer, sports coach).
	Food and nutrition	Food and nutrition	Food and nutrition (UE)	Social and Community Services sector, such as nursing and care giving or in the Service Industries sector, such as a food safety officer. Other pathways include health promotion, dietician, food marketing, public health, teaching, early childhood, education, nursing, nutritionist within a variety of sectors, including sports nutrition. Food Scientist, Ministry of Primary Industries , Nutritionist, Food Technologist, Nutrition Policy Advisor, Agri-food production , Sustainable Food Production,
Te Reo Maori	Te Reo Maori	Te Reo Maori	Te Reo Maori (UE)	Vocational pathways: Continue taking Te Reo Maori into Tertiary studies. Being able to converse in Te Reo Maori can be advantageous in any career with Maori Media, Maori Education, Maori Language Interpreter, Tour Guide, Maori Arts—music, kapa haka, carving, weaving, kowhaiwhai, Political arena, Justice department.
DIT	Programming and digital media	Programming and digital media	Programming and digital media	Specialist careers can include programmer, video editor, web analytics specialists, web developer, video game designer, and many more.
HMT	Building and construction	Building and construction	Building and construction	Prospective careers and or Trades that this course aligns with, include that of a Builder, Plumber, Electrician, Roofer, Joiner, Furniture maker, Painter, Glazier, Plasterer etc.

<b>Year 9 &amp; 10</b>	<b>NCEA Level One</b>	<b>NCEA Level Two</b>	<b>NCEA Level Three</b>	<b>Vocational Pathways</b>
Food Technology	Food technology	Café Culture	Catering	Food production in hospitality industry e.g. Café, Hotel, food technologist, Chef, barista, café and restaurant worker, food designer, waiter, bar staff and cook.
Textiles Technology	Textiles Technology	Fashion and Textiles	Fashion and Textiles	Fashion design, fashion retail, clothing manufacture, machinist, pattern designer, patternmaker, textiles designer, interior designer, upholsterer, weaver, screen printer, pattern cutter, costume design, wardrobe, tailor, dressmaker, milliner, craftsperson.
Music	Music	Music	Music (UE)	Bachelor of Performing Arts, Bachelor of Arts, Bachelor of Music, music therapist, events coordinator, songwriter, producer, recording artist, sound engineer, session musician, music teacher, instrument tutor, conductor, and a range of other career options in theatre, film, TV, media, and the music industry.
Art	Art	Art - painting	Art - painting (UE)	Visual Arts learning is relevant to a wide range of occupations and there are exciting new art-related occupations being created all the time. Some possible careers outside of school include: 2D or 3D modeller or artist, game artist, animator, digital designer, marketing and social media designer, product designer, CAM designer, shader artist (game development), TV and film producer, and special effects artist.

## Vocational Study Pathways

NCEA Level One	NCEA Level Two	NCEA Level Three	Vocational Pathways
	Vocational Studies	Vocational Studies	Links to the full range of possible careers in all the Vocational Pathways: Building and Construction, Engineering, Manufacturing and Technology, Primary Industries, Service or Creative Industry.
	<b>EIT Trades academy</b> Automotive Barbering Building and Construction Computer Tech Early Childhood Fashion Forestry Hair and Beauty Hospitality Creative Skills Trades skills Services Preparation Sport Skills Pikitoi (Maori Art and Design)	<b>EIT Trades academy</b> Automotive Bakery Building and Construction Computer Tech Early Childhood Engineering Exercise Fashion Forestry Hair and Beauty Hauora Services Preparation Pikitoi (Maori Art and Design)	Trades Academy leads to a range of Trades Based careers in all of the Vocational Pathways: Building and Construction, Engineering, Manufacturing and Technology, Primary Industries, Service or Creative Industry.
	<b>GATEWAY:</b> Learning linked to work experience.	<b>GATEWAY:</b> Learning linked to work experience.	Gateway links to careers in all of the Vocational Pathways: Building and Construction, Engineering, Manufacturing and Technology, Primary Industries, Service or Creative Industry.
<b>STAR:</b> Agriculture	<b>STAR:</b> Travel and Tourism Agriculture	<b>STAR:</b> Travel and Tourism Agriculture	Tourism: Flight attendant, events manager, hotel manager, hotel reception, travel agent, tour guide, cruise ship worker, reservations and ticketing, eco-tourism, Maori tourism, chauffeur, foreign exchange, information centres...  Agriculture: Farmer, shearer, shepherd, possum trapper, fencer, farm manager, dog handler, wool classer, livestock work, stock and station agent, environmental
	Services Academy		Army, Navy, Air Force, Police Force