



# RODNEY COLLEGE

## Level 2 Subject Selection Booklet 2024



# Vocational Pathways

## What are the Vocational Pathways?

Vocational Pathways help students see how their learning is valued in the workplace by aligning assessment standards that can count towards NCEA with six industries. They help educators, families, whānau and employers work in partnership with young people to support them to build on their skills and talents and find work they have a passion for.



The Vocational Pathways divide the working world into six broad sectors which are linked to standards and qualifications. This enables students to map where they are now and where they would like to be.

## The six Vocational Pathways are:

- Construction and Infrastructure
- Creative Industries
- Manufacturing and Technology
- Primary Industries
- Service Industries
- Social and Community Services

## Benefits of using the Vocational Pathways

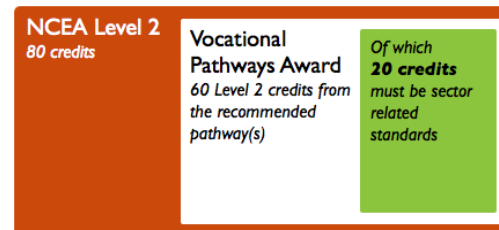
The Vocational Pathways enable young people to:

- Find out the standards, skills and competencies that are valued by employers in particular sectors
- Find out the job or career options that are available for each sector
- Identify current and future programmes of study that support their career pathways
- Undertake a relevant and cohort study programme that will enable them to achieve NCEA Levels 1, 2 and 3
- Demonstrate a vocational profile to tertiary providers and employers

## Level 2 Vocational Pathways Award

The Award enables employers to assess more easily whether potential employees' skills align with their industry requirements. To get a Vocational Pathways Award, a minimum of 20 Level 2 credits must be from Sector-Related standard, with the remaining from Recommended standards to make up 60 pathway credits in total.

## This diagram shows this relationship:



The Vocational Pathways Award(s) will show on a student's NZQA Record of Achievement. This is a real advantage when young people look for work and training opportunities in the sector.

# Success in the Senior School

## SOME KEY POINTS

### 1. YOU ARE RESPONSIBLE FOR YOUR LEARNING

We would encourage you to take control of your learning. Achievement will depend on how willing you are to accept the responsibility for your learning. We can provide support and guidance to help you acquire the skills to come with this responsibility - skills such as:

- Time management
- How to study effectively
- Personal organisation
- Research
- Essay writing etc.

If you require assistance please seek it - **that is your responsibility**. The people to see are:

- Your academic counsellor
- Your dean
- Your whanau teacher
- Your class teacher
- Careers adviser / guidance counsellor
- Any staff member whom you feel can help you
- The principal

### 2. BE ASSERTIVE - TAKE CONTROL

This is your education, **NOT** someone else's. You need to think about what you want to do and plan carefully - **then stick to your plan** if it is something you really want to do. Do not allow others to move you away from this without good reason. You should make decisions for yourself - selecting subjects to fit in with friends is not sensible planning. Ensure that teachers understand what you are aiming for and enlist their support.

### 3. HARD WORK IS NECESSARY

If you wish to achieve in the Senior School, and we know that you do, then you will have to work hard. You will need to attend classes regularly, maintain good work records, complete tasks, and have a system for regular reviews of work. Homework will be an important part of your week - make time for it and understand that homework means the following:

- Work set by your teacher which is to be done out of class time
- Completing work that you may have run out of time for in class
- Catching up on work you may have missed due to absence or other commitments
- Reviewing your notes and work covered in class
- Reading - material presented in class, additional material relating to a topic, etc.

**Realise that homework is more than just work set by teachers. Much of it should be of your own making. You are in control - IT IS YOUR RESPONSIBILITY.**

# Introduction

This booklet has been produced to provide information to parents and students about subject options in the Senior School. We hope that it will assist you in making wise decisions about which subjects to take.

## SUBJECT CHOICE

When deciding which subjects to take, there are a number of factors to consider.

These include:

1. For many careers you need to display general ability. One way of doing this is by getting the best possible grades you can by taking the subjects you enjoy and are good at.
2. There are many careers that require achievement, or further study, in specific subjects. You should carefully check the requirements for the career areas in which you are interested. People with the most relevant subjects for a particular type of career have the best chance of being accepted.
3. English, Mathematics and Science are compulsory at Level 1.
4. English is advisable at Level 2 and 3.
5. You need to look carefully as to where your subjects lead to in the Senior School, so you are not restricting your choice at Year 12 and Year 13.

## Please note the following points:

- If there are insufficient student numbers for a subject to be viable, that subject will not run in 2024. When this occurs, the Dean will contact individual students and ask them to select another subject.
- Although every effort is made to accommodate each individual's choice of subjects, sometimes it is not possible. If you have a clash of subjects, your Dean will contact you to discuss this with you and ask you to select another subject. It is important that the Dean has accurate contact details for you for when school finishes for this year.
- If you are unable to pursue a particular subject due to clashes, lack of pre-requisites or any other reason, it is important to realise that there are alternate pathways available to you, both in school and at tertiary level. You may need to talk to the Careers Advisor, Mrs Wright.
- It is important to put in the time and effort to choose your subjects wisely now as class allocations are made according to your choices. Changes to subjects will not be accepted after the end of this year except in response to NCEA results and in exceptional circumstances. **It is too late to decide next year that you no longer wish to take a particular subject.**
- Students who do not return their option sheets by the due date may not be able to take their preferred course of study.

# Qualifications

## Certificate Endorsements

If you achieve 50 or more credits at 'Merit' or 'Excellence' at a particular level, you qualify for an endorsed certificate with Merit or Excellence.

### NCEA Level 1

To gain a NCEA Level 1 Certificate a student must obtain 60 credits at Level 1. These may be in Achievement Standards or Unit Standards.

Additionally, students must meet the Literacy and Numeracy co-requisite requirements of:

- 10 Literacy credits via tagged standards in 2024 or sitting the Literacy - Reading and Writing - Common Assessment Activities (CAA)
- 10 Numeracy credits via tagged standards in 2024 or sitting the Numeracy Common Assessment Activity (CAA)

### NCEA Level 2

To gain a NCEA Level 2 Certificate a student must obtain 60 credits at Level 2 or above. There are 10 Literacy credits required if students are going onto higher learning at a University or Polytechnic (5 reading and 5 writing).

### NCEA Level 3

To gain a NCEA Level 3 Certificate a student must obtain 60 credits at Level 3. There are no Literacy or Numeracy requirements at Level 3. Approved students can also take Level 4 papers extramurally via a university of the school's choice and these papers are paid for by the school.

## University Entrance

University Entrance (UE) is the minimum requirement to go to a New Zealand university. To be awarded UE a student needs:

- NCEA Level 3
- 14 credits at Level 3 in each of three approved subjects:  
[Approved Subjects for UE](#)
- Literacy - 10 credits at Level 2 or above, made up of:
  - 5 credits in reading
  - 5 credits in writing
- Numeracy - 10 credits at Level 1 or above

## Course Endorsements

Course endorsement provides recognition of student achievement in an individual course. Students will gain an endorsement for a course if, in a single school year, they achieve:

- 14 or more credits at Achieved, Merit or Excellence, and
- At least 3 of these credits from externally assessed standards.

NB: Physical Education and Level 3 Visual Arts do not need the external credits.

## Academic Pathways

The framework below shows where subjects can lead to in Years 11, 12 and 13 to ensure all students have a pathway to success.

LEVEL 1	LEVEL 2	LEVEL 3	FUTURE
English	English Media Studies	English Literacy English Media Studies	U/P U/P U
Maori Spanish	Maori Spanish	Maori Spanish	U/P U
Mathematics	Mathematics Mathematics with Statistics	Mathematics with Calculus Mathematics with Statistics	U/P U/P
Science	Biology Chemistry General Science Physics	Biology Chemistry Physics	U/P U/P U/P
Geography History Commerce	Geography Tourism History Business Studies	Geography Tourism History Business Studies	U/P P U U/P
Physical Education Health	Physical Education Health	Physical Education Health	U/P U
Construction Materials Technology (Wood) Engineering Technology DVC Digital Technology or Computing Hospitality	Building Construction & Design Engineering Technology DVC Digital Technology Hospitality	Building Construction & Design Engineering Technology DVC Digital Technology Hospitality	A/P A/P U/P U/P P
Art Music Drama Performing Arts Technology	Art Photography Music Drama Performing Arts Technology	Art Photography Music Drama Performing Arts Technology	U/P U/P U/P U/P P

**Future Key:** A - Apprenticeships

U - University

P - Polytechnic

## Level 2 Subject Information (Subject to Change)

### Level 2 Biology

**Total number of credits: 18 credits**

**Course description:** Students who take this subject should expect to gain an understanding of how life works at a microscopic and macroscopic level. In Term 1, students will explore ecological distribution patterns through collecting data and explain the possible causes for the patterns seen. In Term 2, they will examine the diverse ways in which animals and plants carry out the life processes. In Term 3, they will understand how DNA and the environment interact and have a role to play in gene expression. This course introduces students to topics covered in university as well as laying a foundation for Year 13 Biology.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91153	Carry out a practical investigation in a biology context with supervision	4	Y				Y						
AS91155	Demonstrate understanding of adaptation of plants or animals to their way of life	3	Y			Y							
AS91156	Demonstrate understanding of life processes at the cellular level	4		Y	W	Y							
AS91159	Demonstrate understanding of gene expression	4		Y		Y							
AS91158	Investigate a pattern in an ecological community, with supervision	3	Y			Y							

**Entry Requirements:** Level 1 NCEA credits in AS90948 and AS90925 or HOD approval

**Supplementary materials/equipment fee:** \$25 for recommended workbooks for internals and externals

### Level 2 Business Studies

**Total number of credits: 19 credits**

**Course description:** This course aims to build upon the learning undertaken in Level 1. Students will be given the opportunity to carry out, review and refine a business activity within the community. They explore the world of market research and apply it to their own business and develop their problem solving skills in relation to business management. Business studies at Level 2 continues to creates opportunities for students to: Understand the role of business in society and the economy, Explore the culture of enterprise, Gain knowledge and understanding of good business practice and of business as a productive activity, Develop key life skills such as motivation, team-work, perseverance and communication skills.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS90846	Conduct market research for a new or existing product	3	Y			Y	Y						
AS90847	Investigate the application of motivation theory in a business	3	Y										
AS92030	Carry out, review and refine a business activity within a community context with guidance	9	Y			Y							
AS90845	Apply business knowledge to a critical problem(s) in a given large business context	4		Y		Y							

**Entry Requirements:** Level 1 Business Studies

**Equipment:** Chromebook or laptop is required

## Level 2 Building Construction and Materials Technology (wood based)

Total number of credits: 29 credits

**Course description:** Building Construction and Allied Trades Unit Standards and Technology Achievement Standards are offered in this course. It is a strong advantage to have followed a Technology or Building Construction course pathway if you intend pursuing an Industrial Apprenticeship, or a career in Industrial Technology / Design / Arts. You also need to complete a technology course at Level 2 before you progress to Level 3.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US24354	Demonstrate knowledge of and apply safe working practices in a BCATS workplace	4	Y										
US24350	Identify, select, maintain, and use portable power tools for BCATS projects	6	Y										
US12932	Construct timber garden furniture and items of basic construction equipment as a BCATS project	8	Y				Y						
US12927	Demonstrate knowledge, select, maintain and use, hand tools for BCATS projects	6	Y										
US24360	Demonstrate knowledge of timber and other construction materials used in BCATS projects	5	Y										

**Entry Requirements:** Gained a minimum of 15 credits in a Level 1 technology course or by negotiation based on a willingness to learn

**Supplementary materials/equipment fee:** Approx. \$100 depending on materials chosen

## Level 2 Chemistry

Total number of credits: 18 credits

**Course description:** Chemistry is the central science and impacts on all facets of our lives. An understanding of chemistry is necessary to all other sciences, especially health and medical related sciences. All materials used by engineers and technologists are made by chemical reactions and we all experience chemical reactions continuously, whether it be breathing or baking a cake, driving a car or listening to a battery driven mp3 player. Chemistry is concerned with all aspects of molecules, their physical and chemical properties, their composition and structure, their synthesis and use in the 21st Century. Includes theoretical and practical coverage of the chemistry curriculum. The course leads onto NCEA Level 3.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91167	Demonstrate understanding of oxidation-reduction	3	Y										
AS91911	Carry out an investigation into chemical species present in a sample using qualitative analysis	3	Y										
AS91910	Carry out a practical investigation into a substance present in a consumer product using quantitative analysis	4	Y				Y						
AS91163	Demonstrate understanding of the chemistry used in the development of a current technology	3	Y			Y							
AS91164	Demonstrate understanding of bonding, structure, properties and energy changes	5		Y		Y							

**Entry Requirements:** Level 1 NCEA credits in AS90944 and AS90930 or HOD approval

**Supplementary materials/equipment fee:** \$28 for Level 2 Chemistry SciPAD Bundle



## Level 2 Design and Visual Communication (DVC)

**Total number of credits:** 19 credits

**Course description:** In Level 2 DVC, students will present projects based on problem solving, innovation and the design process. These projects will involve thinking about the function and form of products, and/or spatial design, developing ideas and presenting the process using effective visual communication skills. Design activities that encourage individual creativity and exploration are an important aspect of this course.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91343	Use visual communication techniques to compose a presentation of a design	4	Y										
AS91341	Develop a spatial design through graphics practice	6	Y										
AS91342	Develop a product design through graphics practice	6	Y										
AS91340	Use the characteristics of a design movement or era to inform own design ideas	3	Y			Y							

**Supplementary materials/equipment fee:** \$10

## Level 2 Design

**Total number of credits:** Up to 16 credits

**Course description:** This course is structured around the design process focusing on graphic design. This could be based on illustration, magazines or advertising. Skills learnt will be: visual techniques, composition, typography and digital software. Students will have the opportunity to create their own designs by freehand and by using digital software. This course would suit students who are visual and creative thinkers and those who want practical skills in Design. There are optional DVC standards to further their understanding of design eras and presentation techniques.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
	<b>Visual Arts Standards</b>												
AS91315	Develop ideas in a related series of drawings appropriate to established design practice	4	Y										
AS91305	Demonstrate an understanding of methods and ideas from established practice appropriate to design	4	Y			y							
AS91310	Use drawing methods to apply knowledge of conventions appropriate to design	4	Y										
	<b>Optional DVC Standards</b>												
AS91340	Use the characteristics of a design movement or era to inform own design ideas	3	Y			Y							
AS91343	Use visual communication techniques to compose a presentation of a design	4	Y										

**Supplementary materials/equipment fee:** \$10

## Level 2 Digital Technologies

**Total number of credits:** Up to 19 credits

“Digital Technology is about teaching students how to design their own digital solutions and become creators of, not just users of, digital technologies, to prepare them for the modern workforce.” (Chris Hipkins, 2018)

**Course description:** The course will be delivered through a number of project based learning. Students will complete a web design and development project and an electronics project . The course carries through to Level 3 and has various career pathways, this may be to support a career pathway such as engineering, digital careers, such as but not limited to; computer technician, programming, web developer, game designer, robotics, cyber investigation, media manipulation, media editing etc. Students will use an iterative process to design, develop, document and test advanced computer programs.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91897	Use advanced processes to develop a digital technologies outcome	6	Y										
AS91893	Apply advanced techniques to develop a digital media outcome	4	Y										
AS91894	Use advanced techniques to develop an electronics outcome	6	Y										
AS91899	Present a summary of developing a digital outcome	3		Y		Y							

**Field Trips:** StarDome in Auckland

**Supplementary materials/equipment fee:** \$50 for take home materials

## Level 2 Drama

**Total number of credits:** Up to 22 credits

**Course description:** This course is a progression from Level 1 Drama and designed for those contemplating a career in the profession or simply because it is of interest. The course provides an opportunity to further explore the elements, conventions, techniques and technologies of drama, both in process and in performance works. Students will rehearse and perform plays in a range of dramatic forms and devise a performance. Class work consists mainly of group work, and it is important that students work cooperatively. An integral part of studying drama is the opportunity to watch professional theatre. For students with an interest in scriptwriting and directing, AS91220 and AS91221 may be offered at the discretion of the teacher. This is an excellent course to pair with Performing Arts Technology.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91213	Apply drama techniques in a scripted context	4	Y		R	Y							
AS91214	Devise and perform a drama to realise an intention	5	Y			Y							
AS91216	Use complex performance skills associated with a drama or theatre form or period	4	Y		R	Y							
AS91218	Perform a substantial acting role in a scripted production	5	Y		R	Y							
AS91220	Script a scene suitable for drama performance	4	Y		W	Y							
AS91221	Direct a scene for drama performance	4	Y		R	Y							
AS91219	Discuss drama elements, techniques, conventions and technologies within live performance	4		Y	W	Y							

**Entry Requirements:** At least 14 credits from Level 1 Drama. However, other students may be considered for the course through audition at the discretion of the Drama teacher and the HoD of Music/Drama

## Level 2 Engineering Technology (Metal)

**Total number of credits: 17 credits**

**Course description:** This course is designed to lead into apprenticeships and further education. Prior knowledge is built on and furthered, through the use of milling machines and advanced lathing and welding techniques. Students refine skills through practical, hands-on learning as well as assessment tasks that lead them through to achieve projects with integrated parts. Students work with a variety of materials and engineering techniques. The course covers a range of vocational pathways leading students into many possible careers in Construction and Infrastructure, Manufacturing and Technology and Primary Industries.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US21911	Safety on engineering worksites	2	Y										
US4436	Select, use, and care for engineering marking-out equipment	3	Y										
US2395	Select, use, and care for engineering hand tools	4	Y										
US20917	Demonstrate basic knowledge of engineering materials	2	Y										
AS91344	Implement advanced procedures using resistant materials to make a specified product with special features	6	Y										

**Entry Requirements:** Level 1 Engineering Tech is an advantage or by consultation with the teacher

**Supplementary materials/equipment fee:** \$80

## Level 2 English - Recommended course for Year 12 students

**Total number of credits: 17 credits**

**Course description:** This Level 2 course uses thematically linked texts. Topics will develop students' ability to use language more accurately and effectively. It will give students a greater appreciation of the way ideas are expressed, encouraging perceptive responses. Students will select standards appropriate to interest and needs.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91101	Produce a selection of crafted and controlled writing	6	Y		W	Y							
AS91105	Use information literacy skills to form developed conclusions	4	Y		R	Y							
AS91107	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	3	Y			Y							
AS91098	Analyse significant aspects of unfamiliar written text(s) through close reading, supported by evidence	4		Y	B	Y							
AS91099	Analyse specified aspects of studied visual or oral text(s), supported by evidence	4		Y	W	Y							
AS91104	Analyse significant connections across texts, supported by evidence	4	Y			Y							

**Entry Requirements:** A minimum of 12 credits in Level 1 English

**Equipment:** Laptop or Chromebook

## Level 2 General Science

**Total number of credits:** 14 credits

**Course description:** This course is designed to give students a sample of all three of the main sciences (Physics, Chemistry and Biology) as well as from Earth and Space Science. Assessments come from the investigation of the use of NZ rocky shore in Biology, water pollution in Chemistry and the swing of a pendulum in Physics. It is an internals based program with three practical investigations and one scientific report. Students who choose this course may not take another science at Level 2. This course is for students who enjoy science but may not be able to cope with the literacy and pace of the three main stream sciences courses.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91158	Investigate a pattern in an ecological community with supervision	4	Y			Y				Green			
AS91911	Carry out an investigation into chemical species present in a sample using quantitative analysis	3	Y					Orange	Red	Green	Blue		
AS91188	Examine an Earth and Space Science issue and the validity of the information communicated to the public	4	Y			Y		Orange					
AS91167	Demonstrate understanding of oxidation-reduction	3	Y					Orange	Red	Green			

**Entry Recommendations:** 8 credits in Level 1 Science

## Level 2 Geography

**Total number of credits:** 18 credits

**Course description:** Geography is the study of both the natural and cultural environments and how they interact. At Level 2 it involves a selection of 5 achievement standards. Two external topics will be taught 2.1 – a large natural environment like the Tongariro Volcanic environment and 2.4 – applying concepts and geographic skills. Other areas of study will be Contemporary Geographic Issues, Global Studies and undertaking individual Research and Field trips.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91244	Conduct geographic research, with guidance	5	Y			Y	Y				Blue		Yellow
AS91245	Explain aspects of a contemporary New Zealand geographic issue	3	Y			Y					Blue	Purple	Yellow
AS91246	Explain aspects of a geographic topic at a global scale	3	Y			Y				Green	Blue		
AS91240	Demonstrate geographic understanding of a large natural environment	4		Y	R	Y				Green	Blue		
AS91243	Apply geography concepts and skills to demonstrate understanding of a given environment	4		Y		Y		Orange		Green	Blue		Yellow

**Entry Recommendations:** Year 11 Geography is useful but not essential. Level 2 Geography is open to all students who can use a range of resources, interpret tasks accurately and write clearly. If you have taken Level 1 then you must have at least 14 Level 1 credits, 4 of these must be external.

**Field Trips:** Tongariro - 4 days \$280

## Level 2 Health

**Total number of credits: 20 credits**

**Course description:** Students will learn a variety of health concepts and strategies and cover topics such as, managing health and well-being; sexuality and gender issues; enhancing personal and community well-being; and analysing adolescent health issues. Offsite visits and work may occur.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91235	Analyse an adolescent health issue	5		Y		Y							
AS91236	Evaluate factors that influence people's ability to manage change	5	Y			Y							
AS91237	Take action to enhance an aspect of people's well-being within the school or wider community	5	Y			Y							
AS91239	Analyse issues related to sexuality and gender to develop strategies for addressing the issues	5	Y			Y							

## Level 2 History

**Total number of credits: 18 credits**

**Course description:** Level 2 History looks at the 1917 Russian Revolution and the Cold War and its significance to New Zealand. Students will communicate historical ideas and understand different perspectives on historical events. History is a valuable subject because it promotes an understanding of the world we live in today, as well as the past. It helps develop enquiring minds and organised analytical thinking. History reinforces skills for dealing with information, such as research and essay writing which is useful in tertiary study and in many careers.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91232	Interpret different perspectives of people in an historical event that is of significance to New Zealanders	4	Y		R	Y							
AS91230	Examine an historical event or place that is of significance to New Zealanders	5	Y		R	Y							
AS91229	Carry out an inquiry of an historical event or place that is of significance to New Zealanders	5	Y		R	Y							
AS91231	Examine sources of an historical event that is of significance to New Zealanders	4		Y	B	Y							
AS91234	Examine how a significant historical event affected NZ society (Optional)	5		Y	B	Y							

**Entry Requirements:** At least 12 credits in Level 1 History or 14 credits in Level 1 English

## Level 2 Hospitality

**Total number of credits:** 18 credits

**Course description:** This course supports students who wish to enter hospitality training industry. There are four components to be assessed: open book work, closed book assessments, verbal and practical cookery tasks. **NB:** On average there will be **one practical lesson** and **three theory lessons** each week.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91351	Implement advanced procedures to process a specified product	4	Y										
US13285	Handle and maintain knives in a commercial kitchen	2	Y										
US167	Practise food safety methods in a food business under supervision	4	Y										
US13283	Prepare and present salads for service	2	Y										
US13276	Cook food items by grilling	2	Y										
US13281	Prepare and present basic sandwiches for service	2	Y										
US13271	Cook food items by frying	2	Y										
US13280	Prepare fruit and vegetable cuts	2	Y										
US17285	Demonstrate knowledge of commercial espresso beverages under supervision (optional)	4	Y										

**Entry recommendations:** Minimum 14 credits at Level 1 Hospitality

**Equipment:** Hair ties, covered shoes

**Supplementary materials/equipment fee:** \$100 for practical component and Service IQ individual training/assessment books, photographs for evidence

## Level 2 Mathematics

**Total number of credits:** Up to 18 credits

**Course description:** This course continues and extends the work of the NCEA Level 1 course. New topics are introduced while others are taken to a greater depth. The emphasis in this class will be on algebra concepts and functions. This course is a prerequisite for entry into either Level 3 Mathematics with Calculus or Statistics and Modelling. Students wishing to gain entry into Level 3 Statistics must achieve in 91267 Probability Methods. Students wishing to enter Level 3 Calculus will only be well prepared if they achieve in all other standards.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91256	Apply co-ordinate geometry methods in solving problems	2	Y				Y						
AS91259	Apply trigonometric relationships in solving problems	3	Y				Y						
AS91257	Apply graphical methods in solving problems	4	Y				Y						
AS91261	Apply algebraic methods in solving problems	4		Y			Y						
AS91262	Apply calculus methods in solving problems	5		Y			Y						
AS91267	Apply probability methods in solving problems (optional)	4		Y			Y						

**Entry recommendations:** Achieved Level 1 externals Algebra AS91026 & Graphs AS91027

**Supplementary materials/equipment fee:** \$35, graphics calculator approx. \$100

## Level 2 Mathematics and Statistics

**Total number of credits:** 17 credits

**Course description:** This course continues and extends the work of the Level 1 course. New topics are introduced while others are taken to a greater depth. It will cover Achievement Standards as outlined below. The **statistics course** will include one external and several internal Achievement Standards as shown below. The external standard AS91267 will be assessed by national examination at the end of the year and will be a prerequisite for the Level 3 Statistics course.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91260	Apply network methods in solving problems	2	Y				Y						
AS91264	Use statistical methods to make an inference	4	Y				Y						
AS91265	Conduct an experiment to investigate a situation using statistical methods	3	Y				Y						
AS91268	Apply Investigate a situation involving elements of chance using a simulation methods in solving problems	2	Y				Y						
AS91267	Apply probability methods in solving problems	4		Y			Y						
AS91266	Evaluate a statistically based report	2	Y		R		Y						

**Entry recommendations:** Achieved Level 1 external Chance and Data AS91037

**Supplementary materials/equipment fee:** \$15, graphics calculator approx. \$100

## Level 2 Media Studies

**Total number of credits:** Up to 21 credits

**Course description:** Because of the strong influence that the media exerts on us as individuals and as a society, a study of how it works can be empowering, and this course is designed to develop your media literacy, and ability to communicate in an increasingly complex technological world. We will be studying a range of media texts; analysing their construction, the relationship between producer and audience, and the ideologies they represent. You will be encouraged to draw on your own experiences as consumers of the media, in order to develop independent thinking skills and powers of critical analysis. Another major aspect of the course is applying your knowledge of how a media text is constructed in order to produce your own, such as an advertising campaign, magazine spread, short film or TV trailer.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91249	Demonstrate understanding of narrative in media texts	4	Y			Y							
AS91250	Demonstrate understanding of representation in the media	3	Y			Y							
AS91251	Demonstrate understanding of an aspect of a media genre	4		Y	B	Y							
AS91252	Produce a design and plan for a developed media product using a range of conventions	4	Y			Y							
AS91253	Complete a developed media product from a design and plan using a range of conventions	6	Y			Y							

**Entry recommendations:** An interest in and enthusiasm for the Media, a willingness to work hard and learn new ideas and skills, and ability in English.

**Equipment:** Laptop or Chromebook

## Level 2 Music

**Total number of credits:** Minimum 14 credits

**Course description:** This course will build on the experiences of Level 1 Music and will enable students to further develop their knowledge of music's elements, conventions, processes, techniques and technologies. The course provides students with the opportunity to perform as both a featured soloist and as a member of a group; compose a variety of pieces of music, and study music works, identifying, describing and comparing the musical features and social context of the works. The development of aural skills is intrinsic to all music learning. As students listen to music, they develop understanding about music history and theory, as well as enhancing their understanding of the world through listening to music from diverse musical contexts. Students must play an instrument and should be learning either through the Itinerant Music Scheme or privately. Students are expected to dedicate at least 2 hours a week practising their instrument. Students select their own programme of standards in consultation with their teacher. **NB:** AS91278 is compulsory and all students are expected to enter in one external assessment.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91270	Perform two substantial pieces of music as a featured soloist	6	Y										
AS91271	Compose two substantial pieces of music	6	Y										
AS91272	Demonstrate ensemble skills by performing a substantial piece of music as a member of a group	4	Y										
AS91273	Devise an instrumentation for an ensemble	4	Y										
AS91274	Perform a substantial piece of music as a featured soloist on a second instrument	3	Y										
AS91278	Investigate an aspect of New Zealand music	4	Y			Y							
AS91277	Demonstrate understanding of two substantial contrasting music works	6		Y	W	Y							

**Entry Requirements:** Minimum 14 credits in NCEA Level 1 Music or HOD approval

**Field Trips:** Musical performance by APO or similar



## Level 2 Performing Arts Technology

**Total number of credits:** Up to 24 credits

**Course description:** This is a practical course designed to focus on the technical aspects of the performing arts and offers standards in Costume, Make-up, Prop, Set, Lighting and Sound Design as well as Stage Management. You will also have the opportunity for practical experience by involvement in the technological aspects of drama and productions such as costume etc. This course can be taken with or without Drama. The course also has cross-curricular links to other subjects like art, photography, textiles and media, and music. During the course you may also have the opportunity for theatre trips to see plays.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US27703	Demonstrate and apply knowledge of sound design for an entertainment and event context	4	Y										
US27700	Demonstrate and apply knowledge of lighting design for an entertainment and event context	4	Y										
US27704	Demonstrate and apply knowledge of the design and construction of entertainment and event props and scenic elements	4	Y										
US27699	Demonstrate and apply knowledge of costume design for an entertainment and event context	4	Y										
US27701	Demonstrate and apply knowledge of make-up design for an entertainment and event context	4	Y										
US27702	Describe and carry out tasks and responsibilities in a production role in an entertainment and event context	4	Y										

**Entry Recommendations:** Experience in design and/or construction welcome

## Level 2 Photography

**Total number of credits:** 16 credits

**Course description:** This course includes taking Documentary Photographs and using a SLR Digital camera, producing a portfolio and photographing in a variety of light sources. Approaches to Portraiture and Wedding Photography will be covered in depth.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91307	Demonstrate an understanding of methods & ideas from established practice appropriate to photography	4	Y			Y							
AS91312	Use drawing methods to apply knowledge of conventions appropriate to photography.	4	Y										
AS91317	Develop ideas in a related series of drawings appropriate to established photography practice.	4	Y										
AS91325	Produce a resolved work that demonstrates control of skills appropriate to cultural conventions.	4	Y										

**Entry Recommendations:** Knowledge and use of Photoshop an advantage and is a requirement at Level 3

**Supplementary materials/equipment fee:** Rental of an SLR Digital Camera \$20 per term, photographic paper and printing ink approx. \$20 per term

## Level 2 Physical Education

**Total number of credits:** 16 - 20 credits

**Course description:** This NCEA course has a combination of practical and written assessments and will continue the work covered in Level 1 Physical Education. Students will complete 3 common standards totalling 10 credits. They will then select one of five different pathways, based on their learning needs, expertise and interests, to make up the remaining credits. There may be an opportunity for students to participate in some Outdoor Education standards.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91330	Perform a physical activity in an applied setting	4	Y										
AS91334	Consistently demonstrate social responsibility through applying a social responsibility model in physical activity	3	Y										
AS91336	Analyse group processes in physical activity	3	Y			Y							
<b>Pathway Standards</b>													
AS91331	Examine the significance for self, others and society of a sporting event, a physical activity, or a festival	4	Y			Y							
AS91333	Analyse the application of risk management strategies to a challenging outdoor activity	3	Y			Y							
AS91335	Examine the implementation and outcome(s) of physical event or opportunity	3	Y			Y							
AS91207	Perform an ethnic or social dance to communicate understanding of the style	4	Y										
US457	Mountain bike on intermediate to expert terrain	2	Y										
US32840	Prepare for an outdoor activity	3	Y										

**Equipment:** Device, Activewear

**Field Trips:** As applicable

## Level 2 Physics

**Total number of credits:** 17 credits

**Course description:** Science is the business of learning about how the whole universe works. The physics course aims to provide students with lifelong applicable knowledge of the physical processes that surround us. Whether students want to pursue a career in science or not, physics provides the basis for how everything works. Anything from wiring a speaker, understanding how waves travel, to finding the most efficient way to lift a box or build a car, there is something useful for everyone. Students will gain an understanding of mechanics (things that move), waves (light, sound etc.), and nuclear physics. We will be focusing on learning through practical investigations, inquiry driven learning and research based tasks. Students will take a holistic look at how the above fields of knowledge interact.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91168	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4	Y			Y	Y						
AS91172	Demonstrate understanding of atomic and nuclear physics	3	Y			Y							
AS91171	Demonstrate understanding of mechanics	6		Y		Y	Y						
AS91170	Demonstrate understanding of waves	4		Y		Y	Y						

**Entry Recommendations:** NCEA Level 1 credits in at least one Science external or HOD approval

## Level 2 Tourism

**Total number of credits:** 26 credits

**Course description:** Tourism is a two-year course (Years 12 and 13) which gives students the New Zealand Certificate in Tourism. The course introduces students to the skills and knowledge required by the travel and tourism industry as the basis for further industry related training. People who gain this qualification have demonstrated written and verbal communication skills, and mathematical and information technology skills in the context of the tourism and travel industry. The course covers both national and international travel destinations. Each student works at their own work pace and makes connections to their own travel experiences.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US24728	Demonstrate knowledge of work roles in tourism	3	Y										
US23761	Read and comprehend work-related documents for a tourism workplace	3	Y										
US24732	Demonstrate knowledge of tourist characteristics and needs	3	Y										
US24729	Demonstrate knowledge of world tourist destinations	4	Y										
US24730	Demonstrate knowledge of the business of tourism	4	Y										
US24731	Demonstrate knowledge of destination Aotearoa New Zealand	4	Y										
US18237	Perform calculations for a tourism workplace	3	Y										
US23767	Demonstrate knowledge of and use the Internet in a tourism workplace	2	Y										

**Entry Recommendations:** None, but an interest in travel, or customer service related industries, is an advantage

## Level 2 Visual Arts

**Total number of credits:** Up to 24 credits

**Course description:** This course will build on the experiences and skills from Level 1 Visual Art. Students will tackle a range of projects so that by the end of the year they will have covered Sculpture, Design and Painting. They will also look at different ways in which art is produced by artists and designers in New Zealand and around the world, both in a contemporary and an historical context. Students will complete a minimum of 4, and a maximum of 5, achievement standards from the 7 offered.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91306	Demonstrate an understanding of methods and ideas from established practice appropriate to painting.	4	Y										
AS91309	Demonstrate an understanding of methods and ideas from established practice appropriate to sculpture.	4	Y										
AS91311	Use drawing methods to apply knowledge of conventions appropriate to painting	4	Y										
AS91314	Use drawing methods to apply knowledge of conventions appropriate to sculpture	4	Y										
AS91316	Develop ideas in a related series of drawings appropriate to established painting practice	4	Y										
AS91319	Develop ideas in a related series of drawings appropriate to established sculpture practice	4	Y										
AS91325	Produce a resolved work that demonstrates control of skills appropriate to cultural conventions	4	Y										

**Entry Recommendations:** Attempted, and preferably passed, Level 1 Visual Arts

**Supplementary materials/equipment fee:** \$45 towards take home materials - All other materials (paint, paper, pastels, pallets, brushes, etc) will be provided through the Art Dept budget

# Online Courses

It is possible for senior students to enrol in either Video Conferencing or Te Kura.

Video conferencing is where the student meets once a week online with an allocated teacher. This meeting will be when they have a normal timetabled class. The student must attend the online class. After that, the student will have three lessons (usually timetabled in the Library) to keep up to date with their online work. The following courses will be offered for Video Conferencing in 2024: <https://olc.school.nz/Courses>

Te Kura is where the student completes all their work online. There is a series of lessons which the students work through. The student will have three lessons (usually timetabled in the Library) to keep up to date with their online work. The current courses offered by Te Kura are:

<https://www.tekura.school.nz/subjects-and-courses/>

These may be subject to change in 2024.

Online courses are available to students who demonstrate a strong work ethic and enjoy working by themselves in an online environment. Students can choose different subjects to those that are offered at Rodney College. Students can also choose a course which they are not able to do at Rodney College due to a subject clash. Students can also choose which level they work at: NCEA Level 1, NCEA Level 2 or NCEA Level 3