



RODNEY COLLEGE

Level 1 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

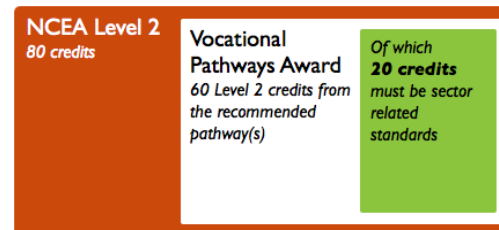
The Vocational Pathways enable young people to:

- 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 1 Subject Information (Subject to Change)

Level 1 Commerce (previously Business Studies)

Total number of credits: 20 credits

Course description: Commerce is the use and exploration of accounting, economic, and business concepts and models to make sense of society and solve problems. In this subject, ākongā will build the knowledge, skills, and values they need to navigate, and participate in, the economic world. They will learn how participants in the economic world make decisions, and they will analyse how these decisions impact sustainability.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS92028	Demonstrate understanding of an organisation's financial decision making	5	Y				Y						
AS92029	Demonstrate understanding of price determination for an organisation	5	Y										
AS92030	Demonstrate understanding of how interdependent financial relationships are affected by an event	5		Y		Y							
AS92031	Demonstrate understanding of how an organisation's financial viability is affected by an event	5		Y		Y							

Level 1 Construction Materials Technology (Wood)

Total number of credits: 25 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 students intend pursuing an Industrial Apprenticeship, or a career in Industrial Technology / Design / Arts. You also need to complete a technology course at Level 1 before you progress to Level 2.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US24352	Demonstrate knowledge of and apply safe working practices in the construction of a BCATS project	2	Y										
US24356	Apply elementary workshop procedures and processes for a BCATS project	8	Y										
US25920	Use joints for a BCATS project	3	Y										
US12927	Identify, select, maintain and use hand tools for BCATS projects	4	Y										
US25355	Demonstrate knowledge of construction and manufacturing materials use in BCATS projects	4	Y										
US25919	Use hardware and fastenings for a BCATS project	2	Y										
US31512	Demonstrate knowledge of BCATS trades involved in the construction of a residential building	2	Y										
US31813	Complete basic concrete works as a BCATS project	4	Y										

Entry Recommendations: Recommended to have done materials technology and/or graphics in Year 10. Have some interests and abilities in materials technology that includes literacy and research skills

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

Level 1 Design and Visual Communication (DVC)

Total number of credits: 15 credits

Course description: Design and Visual Communication (DVC) is about design thinking, visual presentation and design heritage. Within DVC, design consists of product design and spatial design and can lead to career opportunities in Architecture, Interior Design, Fashion Design, Product Design and Landscape Design. DVC at Level 1 involves idea conception, developing ideas and communicating those ideas visually. In class we will be coming up with ideas through a selection of research, field trips to visit buildings, 3D modelling and presentations. Student design will consider how to meet the environmental and cultural needs of people and how people use different spaces.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS92000	Generate product or spatial design ideas using visual communication techniques in response to design influences	5	Y										
AS92001	Use representation techniques to visually communicate own product or spatial design outcome	5	Y										
AS92002	Develop product or spatial design ideas informed by the consideration of people	5		Y									

Entry Recommendations: Year 10 DVC would be an advantage but not necessary

Level 1 Digital Technologies

Total number of credits: 15 credits

Course description: Students will learn how to design and build a simple game using a computer language. Students will also look at electronic circuits and how to apply these to build a robotic car using code and electronic components. They will visit MOTAT and look at past and future robotics and learn about how these are applied to our everyday lives. Students will also look at how an app, website or programme is designed to make it user friendly and understand the principles of usability in digital design.

Prerequisites: Students are not required to have any prior knowledge of this subject. It is preferable that they have done the year 9/10 digital technology courses but the course is open to all newbies and people with a passion for digital technology or are just curious about how it all works. Nau mai, Haere Mai.

AS/US	Standard title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS92004	Create a computer programme	5	Y										
AS92005	Create a digital technologies outcome	5	Y										
AS92006	Demonstrate understanding of usability in human-computer interfaces	5		Y									

Entry Recommendations: Students are not required to have any prior knowledge of this subject. It is preferable that they have completed the Year 9 and 10 Digital Technology courses, however the course is open to all newbies and people with a passion for digital technology or are just curious about how it all works.

Equipment: Wired earphones with a built-in microphone (3.5mm jack)

Field Trips: MOTAT

Supplementary materials/equipment fee: \$45 for take home materials

Level 1 Drama**Total number of credits: 20 credits**

Course description: This course explores drama, elements, conventions, technologies and theatre form. Students develop physical and vocal technique, use of space and movement to create character. Students will be expected to rehearse and perform in a variety of theatre styles. They will learn to work collaboratively and develop skills of negotiation and leadership. An integral part of studying drama is the opportunity to watch and analyse professional theatre. Students will be expected to rehearse their own performances both in and out of class. 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
AS91940	Explore the function of theatre Aotearoa	5	Y										
AS91941	Participate in creative strategies to create a drama	5	Y										
AS91942	Use drama techniques to perform a scripted role for an audience	5		Y									
AS91943	Respond to a drama performance	5		Y									

Entry Recommendations: Year 10 Drama would be an advantage

Level 1 Engineering Technology (Metal)**Total number of credits: 16 credits**

Course description: This course covers a variety of different skills including MIG welding and lathing as well as a variety of other machines. Students advance their knowledge through practical, hands on learning as well as assessment tasks that lead them through to complete complex projects. 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 manufacturing.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US4433	Select, use, and care for simple measuring devices used in engineering	2	Y										
US22926	Demonstrate knowledge of safety procedures in a specific engineering workshop	2	Y										
US22923	Demonstrate basic engineering workshop skills under close supervision	12	Y										

Entry Recommendations: Year 10 Engineering Technology is an advantage or by consultation with the teacher

Supplementary materials/equipment fee: \$80

Level 1 English - Compulsory course for Year 11 students

Total number of credits: 15 credits + 10 credit Literacy Co-Requisite

Course description: This thematically based course is designed to enable students to complete Level 1 NCEA by studying a selection of the achievement standards available, according to the ability and needs of the student. The course will include opportunities to develop written, oral, and visual skills in English. All students will be expected to aim for Merit and Excellence grades, which will lead to achievement in academic courses at Level 2 and 3.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91924	Demonstrate understanding of how context shapes verbal language use	5	Y			Y							
AS91925	Demonstrate understanding of specific aspects of studied text	5	Y			Y							
AS91927	Demonstrate understanding of significant aspects of unfamiliar texts	5		Y		Y							
US32403	Read written texts to understand ideas and information (CAA)	5		Y		Y							
US32405	Write texts to communicate ideas and information (CAA)	5		Y		Y							

Equipment: Laptop or Chromebook

Field Trips: As applicable

Level 1 Geography and Earth Science

Total number of credits: 20 credits

Course description: Geography is the study of the earth as the home of people and provides students with an understanding of the world they live in, both the natural world and the cultural world. We study the natural world through extreme natural events, like volcanism and earthquakes and the cultural world through population concepts and the global food security issue. Global studies, contemporary geographic issues and sustainable use of environments are studied and provide awareness of difference and issues at different scales, from local to global. Geography also has a practical component, with students taught the skills to collect data through research and field work and to process it through visual presentations and structured writing in reports and essays.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91932	Demonstrate understanding of the spatial distribution of phenomena and its impacts within te taiao	5	Y			Y							
AS91933	Explore te taiao using data	5	Y				Y						
AS91934	Demonstrate understanding of how natural processes operate within te taiao	5		Y		Y							
AS91935	Demonstrate understanding of geographic decision-making in Aotearoa New Zealand or the Pacific	5		Y		Y							

Supplementary materials fee: \$20 for Skills Book

Field Trips: Poor Knights (possible) \$100

Level 1 Health Studies

Total number of credits: 20 credits

Course description: Health Studies is about engaging in three Key Areas of Learning — Food and Nutrition, Mental Health, and Relationships and Sexuality in relation to hauora, and the health and wellbeing of individuals, whānau, and communities

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS92008	Demonstrate understanding of wellbeing through the application of a model of health	5	Y										
AS92009	Demonstrate understanding of a decision-making process in a health-related situation	5	Y										
AS92010	Demonstrate understanding of personal, interpersonal and societal factors that influence hauora	5		Y									
AS92011	Demonstrate understanding of strategies that enhance hauora	5		Y									

Equipment: Chromebook or Laptop

Level 1 History

Total number of credits: 20 credits

Course description: This course involves the study of topics from 20th Century history, including the origins of WWII and Black civil rights in the USA. History is a valuable subject at Level 1 because it enriches students' understanding of our world today and helps them understand different perspectives on issues; producing informed citizens for the future. Furthermore, it helps develop organised, analytical thinking and reinforces skills such as; research and essay writing. These are invaluable for tertiary studies in a range of subjects and in many careers.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS92024	Engage with a variety of primary sources in a historical context	5	Y										
AS92025	Demonstrate understanding of the significance of a historical context	5	Y			Y							
AS92026	Demonstrate understanding of historical concepts in contexts of significance to Aotearoa New Zealand	5		Y		Y							
AS92027	Demonstrate understanding of perspectives on a historical context	5		Y		Y							

Entry Recommendations: An acceptable level of competence in reading and writing skills

Level 1 Hospitality

Total number of credits: 15 credits

Course description: This course supports students who wish to enter into the hospitality training industry or who wish to seek employment in the food industry. There are four components which will be assessed: book work, closed book tests, 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
US21059	Demonstrate knowledge of knife care, use, storage, and carrying for the hospitality industry	2	Y										
US19770	Prepare and present egg and cheese dishes in the hospitality industry	3	Y										
US15901	Prepare and present fruit and vegetables in the hospitality industry	3	Y										
US15921	Prepare and cook a cake, a sponge and a batch of scones in the hospitality industry	3	Y										
US15920	Prepare and present sauce and soup in the hospitality industry	2	Y										
US15919	Prepare and present hot finger food in the hospitality industry	2	Y										

Equipment: Hair ties, covered shoes

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

Level 1 Mathematics - Compulsory course for Year 11 students

Total number of credits: Up to 20 credits + 10 credit Numeracy Co-Requisite

Course description: This is a compulsory course for all Year 11 students. Students must gain a minimum of 10 credits in Numeracy (from NCEA Level 1 Mathematics OR the Numeracy Co-requisite) in order to be awarded their NCEA Level 1 Certificate. All standards included in this course will count towards the Numeracy component of NCEA Level 1. This course is both a continuation of material learnt in Years 9 and 10, and also an introduction to some new ideas. It will cover a selection of Achievement Standards from the NCEA Level 1 Mathematics and Statistics matrix. All students will study and be assessed against 3 internal standards in the first half of the year. Based on these results, recommendations from teachers and student pathway choice students will be enrolled in further Internal standards and/or External standards. The standards that students undertake will determine their future possible pathways in mathematics.

If students wish to study **Statistics** in Year 12 and 13 they will need to achieve at least one of **AS91944 or AS91946**. If students wish to study **Algebra** in Year 12 and 13, they will need to achieve **AS91945 or AS91947**.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91944	Explore data using a statistical enquiry process	5	Y				Y						
AS91945	Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand or the Pacific	5	Y				Y						
AS91946	Interpret and apply mathematical and statistical information in context	5		Y			Y						
AS91947	Demonstrate mathematical reasoning	5		Y			Y						
US32406	Use mathematics and statistics to meet the numeracy demands of a range of situations (CAA)	10		Y			Y						

Supplementary materials/equipment fee: Workbooks for each standard – approx. \$10 each

Level 1 Music**Total number of credits:** 19 credits

Course description: This course allows students to develop their music skills as they explore and use the elements, conventions, processes, techniques, and technologies of music. It provides students with the opportunity to perform as both a featured soloist and as a member of a group; develop their aural skills, and study a variety of pieces of music, identifying and describing the musical features and social context of the works. Students must be able to play an instrument and should be taking lessons either through the Itinerant Music scheme or privately. It is expected that students dedicate at least 2 hours per week towards practising their instrument.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91948	Use music skills in a music style	5	Y										
AS91949	Demonstrate performance skills	5	Y										
AS91950	Demonstrate understanding of music in relation to contexts	5		Y									
US32300	Demonstrate and apply introductory knowledge of MIDI sequencing	2	Y										
US32301	Demonstrate and apply introductory knowledge of a music notation application	2	Y										

Entry Recommendations: Year 10 Music would be an advantage.**Field Trips:** Musical performance by APO or similar**Level 1 Performing Arts Technology****Total number of credits:** 20 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 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, media and music. During the course you will also have the opportunity for theatre trips. If you wish to see what we do, come to the Performing Arts Room behind the stage.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
US26687	Demonstrate and apply knowledge of sound for an entertainment and event context	4	Y										
US26686	Demonstrate and apply knowledge of lighting for an entertainment and event context	4	Y										
US26689	Demonstrate and apply knowledge of costuming for an entertainment and event context	4	Y										
US26688	Demonstrate and apply knowledge of make-up for an entertainment and event context	4	Y										
US26690	Demonstrate and apply knowledge of construction of props and scenic elements for an entertainment and event context	4	Y										

Entry Recommendations: Experience in design and/or construction welcome

Level 1 Physical Education

Total number of credits: 21 credits

Course description: This course has a combination of practical and theory-based assessments set at NCEA Level 1. Ākonga who study Physical Education will develop a wide range of skills which enable them to understand what it is to be physically educated and to promote physical activity throughout their lives. Students will focus on 3 Key areas of learning; movement is integral to Hauora, participation in movement enriches our lives and, through movement we develop diverse capabilities.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS92016	Apply movement strategies in an applied setting	5	Y								Blue	Purple	Yellow
AS92017	Demonstrate understanding of how kotahitanga is promoted in movement through application of strategies	5	Y								Blue	Purple	Yellow
AS92018	Demonstrate understanding of the influence of a personal movement experience on Hauora	5		Y							Blue	Purple	Yellow
US32840	Prepare for an outdoor activity	2	Y										Yellow
US425	Participate in a day tramp	2	Y								Blue		Yellow
US20137	Demonstrate Mountain Biking on grade 1 terrain	2	Y								Blue		Yellow

Equipment: Device, Activewear

Field Trips: As applicable

Level 1 Science - Compulsory course for Year 11 students

Total number of credits: 20 credits

Course description: In NCEA Level 1 Science there are three possible pathways that build on Year 10 knowledge and lead into Level 2 specialist science subjects:

- Biochemistry (biology and chemistry) encompassing the Achievement Standards 92021, 92023, 92020, 92022
- Physical Science (chemistry and physics) encompassing the Achievement Standards 92021, 92023, 92022, 92044
- Biomechanics (biology and physics) encompassing the Achievement Standards 92020, 92022, 92022, 92044

Students choose one of these pathways at the end of Year 10, with their choice being based on their career paths and interest.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS92021	CB 1.2: Demonstrate understanding of a chemical reaction in a specific context	6	Y					Orange	Red	Green	Blue	Purple	Yellow
AS92023	CB 1.4: Demonstrate understanding of how the properties of chemicals inform their use in a specific context	4		Y						Green	Blue		
AS92020	CB 1.1: Demonstrate understanding of the relationship between a microorganism and the environment	5	Y					Orange	Red	Green		Purple	Yellow
AS92022	CB 1.3: Demonstrate understanding of genetic variation in relation to an identified characteristic	5		Y		Y		Orange	Red		Blue		Yellow
AS92045	PESS 1.2: Demonstrate understanding of a physical phenomenon through investigation	5	Y					Orange	Red	Green	Blue	Purple	Yellow
AS92047	PESS 1.4: Demonstrate understanding of energy in a physical system	5		Y			Y		Red	Green	Blue		Yellow

Field Trips: Omeru Falls, Hoteo River

Level 1 Te Reo Māori

Total number of credits: 20 credits

Course description: This NCEA course has a combination of practical and written assessments and will continue the work covered in Year 10 Te Reo and Tikanga Māori standards.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS92092	Te kōrero mō te ora o te reo i mua i te tau 1970 <i>Students will communicate about the vitality of the language before 1970</i>	6	Y			Y							
AS92093	Te whakapuaki whakaaro i runga i te āta rere o te reo <i>Students will communicate ideas with emerging fluency</i>	4	Y			Y							
AS92094	Te tautohu i ētahi mātāpono Māori kei roto i te reo <i>Students will identify Māori principles embedded in the language</i>	4		Y		Y							
AS92095	Te whakapuaki whakaaro i runga i te tika haere o te reo <i>Students will communicate ideas with emerging accuracy</i>	6		Y		Y							

Entry Recommendations: Students who were successful in Te Reo Māori in Year 10. Students are also expected to participate in Ngā Manu Kōrero competitions. Students will be expected to sit at least one of the two external standards and complete a minimum of two internal standards

Level 1 Visual Arts

Total number of credits: 15 credits

Course description: This is a full year course. Students will work to develop their skills by generating and developing ideas through drawing into finished art works in a range of media. 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 contemporary and historical context.

AS/US	Standard Title	Credits	Int	Ext	UE LIT	LIT L1	NUM	CI	MT	PI	SI	SC	CI
AS91912	Use practice-based visual inquiry to explore Aotearoa New Zealand's Māori context and another cultural context	5	Y										
AS91913	Produce resolved artwork appropriate to established art making conventions	5	Y										
AS91914	Explore Visual Arts processes and conventions to inform own art making	5		Y									
AS91915	Create a sustained body of related artworks in response to an art making proposition	5		Y									

Entry Recommendations: To gain entry to this course it is important students have completed the Year 10 Art option in order to gain the skills and techniques required to pass at this level

Supplementary materials/equipment fee: \$80 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