

RODNEY COLLEGE



SUBJECT SELECTION BOOKLET

FOR

YEAR 10
2022

INTRODUCTION

This booklet is designed to explain the subjects we will offer for the 2022 academic year.

Students who are not sure about what subjects to take should ensure they choose a wide range of subjects.

The school staff is available to advise students or meet with parents about subject choices.

Please phone our school office on 423 6030 to arrange an appointment should you need further information.

When choosing:

KEEP IN MIND ...

1. English, Mathematics, Social Studies, Science and Physical Education & Health are compulsory at Year 10.
2. That a good general ability in a range of subjects is what many jobs require.
3. To ensure that all learners have the opportunity to become digitally capable individuals, the Ministry of Education is promoting students to take a Digital Technology subject at Junior level.
4. There are some jobs that require specific subjects – check with our Careers Adviser to ensure you make the correct selection.

Year 10 Compulsory Curriculum Structure

English

Mathematics

Science

Social Studies

Physical Education & Health

Year 10 Options – select options from the following

DVC Architectural Studies

Digital Technology

Drama

Engineering Technology (metal)

Enterprise Studies

Food Technology

Material & Technology (wood based)

Music

Spanish

Sport

Te Reo Maori (one semester)

Te Reo Maori (two semesters)

Textiles & Design Technology

Visual Arts (one semester)
 Visual Arts (two semesters)

The framework below shows where Year 10 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 Creative Literacy Media Studies	English Creative Literacy Literacy English Media Studies	U/P 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 Business Studies	Geography Tourism History Business Studies	Geography Tourism History Business Studies	U/P P U U/P
Physical Education Health	Physical Education Health	Physical Education	U/P U
Construction Materials Technology (wood) Engineering Technology Textiles & Design Technology DVC Architectural Studies Digital Technology or Computing Hospitality	Building Construction & Design Engineering Technology Textiles & Design DVC Architectural Studies Digital Technology Hospitality	Building Construction & Design Engineering Technology Textiles & Design DVC Architectural Studies Digital Technology Hospitality	A/P A/P U/P U/P U/P P
Art Music Drama	Art Photography Music Drama	Art Photography Music Drama	U/P U/P U/P U
Performing Arts Technology	Performing Arts Technology	Performing Arts Technology	P
	Gateway	Gateway	A

Future Key A = Apprenticeships

U = University

P = Polytechnic

CURRICULUM OVERVIEW

LEARNING AREA	YEAR 9 COURSES	YEAR 10 COURSES
English	English	English
Languages & Culture	Maori Spanish	Te Reo Maori Spanish
Mathematics	Mathematics	Mathematics
Science	Science	Science Enterprise Studies
Social Sciences	Social Studies	Social Studies
Health and Physical Well-being	Physical Education and Health Sport	Physical Education and Health Sport
Technology	Food Technology Textiles & Design Technology Materials & Technology – Wood Engineering Technology – Metal DVC Architectural Studies Digital Technology	Food Technology Textiles & Design Technology Materials & Technology – Wood Engineering Technology – Metal DVC Architectural Studies Digital Technology
The Arts	Drama Music Visual Arts	Drama Music Visual Arts

Note: Bold Type indicates subjects students must take. Other subjects listed are options that students may choose to take.

COMPULSORY SUBJECTS

Year 10 English

English is part of the compulsory programme in Year 10. This course focuses on the development of students' oral, written and visual language and prepares them for NCEA Level 1. Students study a range of texts such as novels, poetry and film through an exciting array of thematic units such as 'Conflict and Survival' and 'Gothic and Urban Myths'. They take part in oral and visual presentations, such as speeches and producing static images, and write in a range of styles. The programme will include standardised reading and writing testing (asTTle) as well as 6 topics that contribute toward the Junior Certificate of Educational Achievement. Students will have the opportunity to complete NCEA Level 1 assessments for static image, reading responses and oral presentation.

Topic name	Assessment Dates	Selected for JCEA
asTTle Persuasive Writing Pre Test	Term 1	No
asTTle Reading Pre Test	Term 1	No
Visual Text Study	Term 1	No
Close Reading of a Visual Text	Term 1	Yes
Written Text Study	Term 2	No
Close Reading of Unfamiliar Texts	Term 2	No
Static Image	Term 2	Yes
Non-Fiction Study	Term 3	No
Research Assignment	Term 3	Yes
Formal Writing	Term 3	Yes
asTTle Persuasive Writing Post Test	Term 3	No
asTTle Reading Post Test	Term 3	No
Response to Visual Text Essay	Term 4 – Exam	Yes
Close Reading of Unfamiliar Texts	Term 4 – Exam	Yes

Year 10 Mathematics

Mathematics and Statistics is a part of the compulsory programme for Year 10. Content is grouped into curriculum levels in number, algebra, statistics, geometry and measurement, which allows individual students to work at their own level. Students work at their existing level of mathematical competence and are challenged to develop the skills required for success at the next level. The minimum goal in Year 10 is to be achieving at a level 5 proficiently, in order to be prepared for success in NCEA Level 1 which is at level 6 of the curriculum. There are two key competencies that are particularly important for mathematics; to be effective thinkers, and to be able to communicate ones thinking with accuracy and precision.

Topic name	Assessment Dates	Selected for JCEA
Number (asTTle)	February	No

Topic 1 Number	Term 1	Yes
Topic 2 Measurement	Term 1	Yes
Topic 3 Algebra	Term 2	Yes
Topic 4 Statistics	Term 3	Yes
Topic 5 Geometry	Term 3	Yes
Number (asTTle)	August	No
End of Year Exam	Term 4	Yes
Topic 6 Probability	Term 4	No

Year 10 Science

This course is designed to build on the concepts covered in Year 9 in order to prepare students for NCEA Level 1 Science. Consequently, emphasis is placed on further developing the students' science literacy, numeracy and writing; research skills and investigative skills with strands of Mātauranga Māori. Key Competencies and Science Capabilities are developed through the Nature of Science strand of the science curriculum.

Topic name	Assessment Dates	Selected for JCEA
Acids and Bases	Term 1	Yes
Electricity	Term 1	Yes
Genetics	Term 2	Yes
Plant & Animal Reproduction	Term 2	Yes
Earth Science**	Term 3	No
Stream Study*	Term 4	Yes

* Students do an NCEA internal assessment for this topic

** Students have the option of doing an NCEA internal assessment for this topic

Year 10 Social Science

Social Studies is part of the compulsory programme in Year 10 and will include a range of tests and assignments. The course runs for the entire year and assessments are at curriculum level 5. A combination of tests and assignments are at the end of topics. Social Science (Social Studies, History, Geography) is a major contributing subject toward literacy competence that will lead to NCEA and university entrance in most academic areas.

Topic name	Assessment Dates	Selected for JCEA
Introduction to mapping skills	Term 1	Yes
Our World – Internal task	Term 2	Yes
Our World Movie Task	Term 1	Yes
Human Rights Test	Term 2	Yes
Skills – Geographic Research	Term 3	Yes
Treaties and Agreements – Test	Term 4	Yes

Year 10 Physical Education & Health

Physical Education & Health is a compulsory subject in Year 10 that runs as the fourth period of a student's two option classes. This course is designed to continue on from the skills and themes developed in Year 9. Specifically, students will move beyond personal skill development to working cooperatively and assisting others to learn. In Health students will focus more on the dynamic states of personal well-being and ways we can maintain a healthy balance through life. The course runs for the entire year and the assessments are at Curriculum Level 5.

Equipment requirements: Active wear for all practical lessons. Pens or pencils for theory lessons.

Topic name	Assessment Dates	Selected for JCEA
Cooperative Learning	Term 1	Yes
Performance and Well-Being	Term 1	Yes
Drug Education	Term 2	Yes
Sexuality	Term 2	No
Body Image	Term 3	No
Skills and Rules	Term 3	No
Changing States of Health	Term 3	Yes
Games Strategies	Term 4	No
Leadership	Term 4	No
Fun Fitness	Term 4	No
Looking After Me	Term 4	No

OPTION SUBJECTS

Year 10 Design & Visual Communication (DVC) Architectural Studies

This one semester course teaches a range of essential skills required to be a product designer, architect, or graphic designer. You will learn skills in freehand sketching and rendering, technical drawing skills and computer aided design skills. These will continue to develop the student's knowledge in preparation for NCEA. No prior experience is required, but a willingness to learn. The course carries through to Level 3.

Contribution: \$10

Topic name	Assessment Dates	Selected for JCEA
Technical Drawing	Term 1/3	Yes

Rendering and Sketching Drawing	Term 1/3	Yes
Design Process	Term 2/4	Yes

Year 10 Digital Technology

This course focuses on providing the skills for NCEA Level 1 through briefs incorporated within the design process. Students will learn to design and develop a website using html and css. They will also develop resilience in problem solving skills when working within teams to develop a final electronics product. It is an advantage to have satisfactorily completed this course before selecting the Level 1 course. The course carries through to NCEA Level 3.

Contribution: \$15

Topic name	Assessment Dates	Selected for JCEA
Electronics	Term 1/3	Yes
Basic Computer Languages	Term 1/3	Yes
Media Outcome	Term 2/4	Yes

Year 10 Drama

The course runs for one semester (two terms) and assessments are at Curriculum Level 5. Students further develop their skills and knowledge of the elements and conventions of drama. They will continue to develop their physical and vocal acting technique in addition to further exploring mime, improvisation, character development and role play. Students will be given the opportunity to devise a performance, learn how to operate as a chorus – encouraging the concept of ensemble acting. They will also be introduced to and perform a range of theatre forms particularly Commedia dell arte and Physical theatre, study texts and create characters using monologues and duologues or a short play. This course is the foundation for students who wish to pursue drama at NCEA Level 1 and beyond. There are three assessments which all contribute toward JCEA.

Equipment: 1 x 20-page clear file, refill pad, pen and pencil

Topic name	Assessment Dates	Selected for JCEA
Keeping it together: Chorus work	Term 1	Yes
A. Devise and perform a short drama incorporating elements and conventions and technique using Physical theatre	Term 1 & 2	Yes
B. Introduction to Commedia dell arte		
Perform an acting role in a radio play	Term 2	Yes

Year 10 Engineering Technology - Metal

Year 10 Engineering Technology is about building on knowledge and skills learned in Year 9 and

increasing the range of tools and equipment students can confidently use. This includes basic welding, electronics and sheet metal; leading students into more advanced project work including design. The course also covers workshop safety with a deeper understanding of workshop practice. This course gives students the opportunity to follow such diverse careers as robotics, electronics, automotive, construction and many other professions.

Contribution: \$40

Topic name	Assessment Dates	Selected for JCEA
Machinist clamp	Term 1/3	Yes
Tools and Techniques	Term 1/3	Yes
Every day carry tool	Term 2/4	Yes

Year 10 Enterprise Studies

This is a flexible programme featuring 3 modules

- **Thinking big** - Creative problem solving, research, social enterprise
- **Financial literacy** - Making sense of 21st Century finances
- **Market day** - Experiential learning

Through Enterprise students will:

- Identify traits common among entrepreneurs
- Understand the importance of personal finance and the challenges that this presents
- Work in teams to create and promote a product
- Learn how to think creatively to add value to products
- Evaluate their own role in society and develop social responsibility (partnership with Atiu Creek)

Topic name	Assessment Dates	Selected for JCEA
Assessment 1 – Understanding personal finances	Term 1	Y
Assessment 2 – Advertising/Marketing/Creating a Product	Term 2	Y
Assessment 3 – Working as part of a group to achieve an objective	Term 2	Y

Year 10 Food Technology

This course is designed to stimulate students' interest in Food Technology and to help them develop the relevant knowledge and skills required for further study; and to foster lifelong skills and enthusiasm for cooking, nutrition and work or a career in the food industry. All topics will have aspects of food safety and hygiene. Planning, designing and preparing a guest luncheon whilst incorporating healthy food choices is a highlight of the course. They will also have experiences in modifying recipes to suit individual needs.

Contribution: \$80 Stationery: glue stick, covered shoes, hair ties

Topic name	Assessment Dates	Selected for JCEA
Knife Skills	Term 1/3	Yes
Meal Planning	Term 1/3	Yes
Guest Luncheon	Term 2/4	Yes

Year 10 Material & Technology - Wood based

This is a one semester course where students will make furniture type projects that require some individual design and problem solving capability, using a range of wood related materials. Although not compulsory, it is an advantage to have satisfactorily completed this course, before selecting a Level 1 Building Construction or Materials and Technology course in Year 11. 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.

Contribution: \$50

Topic name	Assessment Dates	Selected for JCEA
Workshop Safety and Responsibility	Term 1/3	Yes
Knowledge and Understanding of Resistant Materials	Term 1/3	Yes
Applied Use of Tools, Materials and Techniques	Term 2/4	Yes

Year 10 Music

This course runs for one semester and assessments are at Curriculum Level 5. Learners explore a wide range of topics. The course is loosely based on the NCEA Level 1 course to ensure they are prepared for the requirements of NCEA Level 1. They work on developing their theory skills, compose music and participate in performing in a group and as a soloist. They also study the development of classical music from the Baroque Period through to the early 20th Century. It is desirable that students are learning an instrument, including voice, either through the Group Itinerant Music Scheme at school or privately. Please see HoD Music to discuss further.

Equipment: 1x 1B5 exercise book, 1 x document wallet

Topic name	Assessment Dates	Selected for JCEA
Overview of the periods of classical music	Term 1	Yes
Score reading and analysis	Term 1/2	No
Perform a piece of music as a featured soloist and as a member of a group	Term 1/2	Yes
Composition and music technology	Term 2	No
Music theory	Term 2	Yes

Year 10 Spanish

Year 10 Spanish introduces four topics that contribute toward Junior Certificate of Educational Achievement. The course runs for one semester and assessments are at curriculum levels 3-4. This programme is made up of 3 internal assessment tasks. The four topics give students the opportunity to communicate about themselves and their immediate environment and begin to communicate about life beyond their own experiences. The topics are: Going to School; Eat, Shop, Celebrate; At Home, Getting around town. This course is the foundation for students who wish to pursue Level 1 Spanish and beyond.

Topic name	Assessment Dates	Selected for JCEA
Understanding Spoken Spanish – Listening	Term 1/3	Yes
Understanding Written Spanish – Reading	Term 1/3	Yes
Speaking in Spanish	Term 2/4	Yes
Writing in Spanish	Term 2/4	No

Year 10 Sport

Sport is an option subject in Year 10 that runs for one semester. There is a heavy emphasis on practical participation, however some theory will be involved to enrich student learning. The topics covered are based on Active Participation, Interpersonal Skills, Analysing to Improve and Motor Skill Learning. These will be completed through a combination of demonstrations, as well as student/peer/teacher judgements. Assessments are at Curriculum Level 5.

Equipment: Active wear for all practical lessons. Pens or pencils for theory lessons.

Topic name	Assessment Dates	Selected for JCEA
Active Participation	By Semester end	Yes
Interpersonal Skills	By Semester end	Yes
Analysing to improve	By Semester end	Yes
Motor Skill Learning	By Semester end	No

Year 10 Te Reo Maori (one semester)

This course is based on Te Aho Arataki mo te Ako I Te Reo Maori (the Maori Curriculum for Mainstream Schools). During the semester, all students will use Te Reo Maori in the following contexts: Tikanga Marae (using customs and practices on the Marae), Koarotonga (comparing and contrasting different things), Korororero (conversational skills), Whakatauki (proverbs), Rerenga Ahua and Rerenga mahi (nominal and active sentences), Purakau (legends), Whakaari (plays). Assessments are at Curriculum Level 5.

Equipment: 1 x 2B5 Exercise Book Field Trips: To be advised

Topic name	Assessment Dates	Selected for JCEA
Korero (Level 5)	Term 1	Yes
Tuhituhi (Level 5)	Term 1	No
Panui (Level 5)	Term 2	Yes
Whakarongo (Level 5)	Term 2	Yes

Year 10 Te Reo Maori (two semesters)

This full year course will be based on Te Aho Arataki mo te Ako I Te Reo Maori (the Maori Curriculum for Mainstream Schools). During the year all students will use Te Reo Maori in the following contexts. Tikanga Marae (using customs and practices on the Marae), Koarotonga (Comparing and contrasting different things), Korororero (Conversational skills), Whakatauki (Proverbs), Rerenga Ahua and Rerenga mahi (nominal and active sentences), Purakau (legends), Whakaari (plays). Assessments are at Curriculum Level 5. This course will prepare students for NCEA Level 1 and 2.

Equipment: 1 x 2B5 Exercise Book Field Trips: To be advised

Topic name	Assessment Dates	Selected for JCEA
Korero (Level 5)	Term 1	Yes
Tuhituhi (Level 5)	Term 1	Yes
Panui (Level 5)	Term 2	Yes
Whakarongo (Level 5)	Term 2	Yes
Matakitaki (Level 5)	Term 3	Yes

Whakatau	Term 3	Yes
Tikanga Marae	Term 4	No

Year 10 Textiles & Design Technology

Are you a 'maker', an innovator? Technology is all about designing creative solutions in response to a brief. The more skills you have and the more materials you know how to work with, the more you can offer as a designer – be it product and/or fashion design. In this course we will advance your textile construction skills and manipulation techniques, which you will then use to design and develop a product or garment in response to a brief.

Contribution: \$40

Stationery: Visual Diary

Topic name	Assessment Dates	Selected for JCEA
Textile Construction / Techniques & Tools	Term 1	Yes
Technological Process / Conceptual Design	Term 2/3	Yes
Product development	Term 3/4	Yes

Year 10 Visual Arts (one semester)

This is a half year course covering a variety of different projects involving portrait painting, clay sculpting and illustrative design. The skills and techniques learned at this level are a prerequisite for entry to NCEA Level 1, which carries through to NCEA Level 3 and provides an excellent entry for further tertiary study in design and architecture as well as the fine arts.

Contribution: \$20 take home materials Equipment: 2 x 2B pencils, 1 x A3 drawing envelope

All materials will be provided by the Art Department through the course contribution

Topic name	Assessment Dates	Selected for JCEA
Observational Drawing – Portraiture	Term 1	Yes
Portrait Painting	Term 1	Yes
Sculpture	Term 2	No
Design	Term 2	Yes

Year 10 Visual Arts (two semesters)

This is a full year course covering a variety of different projects involving portrait painting, clay sculpting and illustrative design. The skills and techniques learned at this level are a prerequisite for entry to NCEA Level 1, which carries through to Level 3 and provides an excellent entry for further tertiary study in design and architecture, as well as the fine arts. Term 4 starts NCEA Level 1 with Achievement Standard 90915 for 6 credits, which allows us to focus on quality in Year 11, looking for Excellence endorsement with increased allocation of time for the remaining standards.

Contribution: \$40 take home materials Equipment: 2 x 2B pencils, 1 x A3 drawing envelope

All materials will be provided by the Art Department through the course contribution

Topic name	Assessment Dates	Selected for JCEA
Observational Drawing – Portraiture	Term 1	Yes
Portrait Painting	Term 1	Yes
Artistic Models	Term 1	Yes

Clay Bust	Term 2	No
Mosaic	Term 2	No
Van Gogh / Durer research	Term 2	No
Design – Typography / Fonts	Term 3	No
Design Illustration	Term 3	Yes
Cardboard Mechanics	Term 3	No
Sculpture Drawing – 1.3 / Level 1	Term 4	No
Sculpting in Plaster – 1.3 / Level 1	Term 4	Yes
Maori Symbol in Carving	Term 4	Yes