

Year 10 Subject Information

2022



**Rangitoto
College**

SUBJECTS

- Some subjects stop at Level 1, some at Level 2 and some lead into two or three other subjects.
- **Entry to some subjects is subject to availability.**

SUBJECTS SHOWN IN CAPITAL LETTERS & BOLDDED ARE COMPULSORY AT THAT LEVEL

THE FLOW OF SUBJECTS – RANGITOTO COLLEGE 2022					
	Year 9	Year 10	NCEA LEVEL 1	NCEA LEVEL 2/IB	NCEA LEVEL 3/IB
ENGLISH					
	ENGLISH	ENGLISH	ENGLISH	ENGLISH/IB ENG	English/IB English
	ENGLISH for Literacy	ENGLISH for Literacy	ENGLISH for Literacy	ENGLISH for Literacy	
	ENGLISH Intermediate (option subject)		ENGLISH Extension	ENGLISH Extension	English Scholarship
			Media Studies	Media Studies	Media Studies
ESOL					
	ESOL	ESOL	ESOL	UNIVERSITY ENTRANCE LITERACY ESOL IB English B	IELTS Preparation IB English B
MATHEMATICS					
	MATHEMATICS	MATHEMATICS	MATHEMATICS Extension	Mathematics Extension	Scholarship Calculus
			MATHEMATICS leading to Algebra	Calculus	Calculus
			MATHEMATICS leading to Stats	Statistics	Scholarship Statistics
			MATHEMATICS for Numeracy	Applied Mathematics	Statistics
				IB Applications & Interpretation (AI)	Mathematics IB AI
				IB Analysis & Approaches (AA)	IB AA
SOCIAL SCIENCE					
	JUNIOR SOCIAL SCIENCE	JUNIOR SOCIAL SCIENCE	Geography	Classical Studies	Classical Studies
			Geography Extension	Geography/ IB Geography	Geography/ IB Geography
			History	Geography Extension	Geography Scholarship
			History Extension	History Extension	History Scholarship
			Social Sciences Internal	History/IB History	History/IB History
				History of Art	History of Art
			Sociology (new 2023)	Sociology	Sociology
				Tourism	Tourism
				IB Psychology	IB Psychology
SCIENCE					
	SCIENCE	SCIENCE	Science	Biology/IB Biology	Biology/IB Biology
			Science Extension	Biology Extension	Biology Scholarship
				Chemistry/ IB Chemistry	Chemistry/ IB Chemistry
				Chemistry Extension	Chemistry Scholarship
				Physics/IB Physics	Physics/IB Physics
				Physics Extension	Physics Scholarship
			Science Internal	Science Internal	Science
LANGUAGES					
	CHINESE	Chinese	Chinese	Chinese	Chinese
				IB Mandarin	Mandarin/ IB Mandarin
	or JAPANESE	Japanese	Japanese	Japanese/ IB Japanese	Japanese/ IB Japanese
	or SPANISH	Spanish	Spanish/IB Spanish	Spanish/ IB Spanish	Spanish/ IB Spanish

THE FLOW OF SUBJECTS – RANGITOTO COLLEGE 2020					
	Year 9	Year 10	NCEA LEVEL 1	NCEA LEVEL 2	NCEA LEVEL 3
				French/IB French	French/IB French
				IB “Own Language”	IB “Own Language”
Te Kiko o Rangitoto					
	TE REO MĀORI (as a language option)	Te Reo Māori	Te Reo Māori	Te Reo Māori	Te Reo Māori
		Māori Performing Arts	Māori Performing Arts (new 2023)	Māori Performing Arts (new 2023)	Māori Performing Arts (new 2023)
	Māori Practical Arts (as an Arts Option)	Māori Practical Arts	Whakairo / Mahi Toi	Whakairo / Mahi Toi (new 2023)	Whakairo / Mahi Toi (new 2024)
THE ARTS					
	Dance	Dance	Dance	Dance	Dance Performance
					Dance Choreography
	Drama	Drama	Drama	Drama	Drama
	MUSIC	Music	Music	Music/IB Music	Music/IB Music
		Contemporary Music	Contemporary Music	Contemporary Music	Contemporary Music
		Performing Arts			
	Visual Art	Visual Art	Visual Art	Design	Design
			Digital Visual Art	Painting	Painting
				Photography	Photography
				Print Making	Printmaking
				Foundation PHO (FPH)	Foundation PHO (FPH)
				Foundation Visual Art (FVA)	Foundation Visual Art (FVA)
				IB Visual Art	IB Visual Art
TECHNOLOGY					
	Design & Visual Communication (Technology)	Design & Visual Communication (DVC)	Design & Visual Communication (DVC)	Design & Visual Communication (DVC)	Design & Visual Communication (DVC)
	Electronics (Technology)	Electronics (Technology)	Electronics (Technology)	Electronics (Technology)	Electronics (Technology)
	Food (Technology)	Food (Technology)	Food (Technology)	Food (Technology)	Food (Technology)
	Materials (Technology)	Materials (Technology)	Materials (Technology)	Materials (Technology)	Materials (Technology)
	Textiles (Technology)	Textiles (Technology)	Textiles (Technology)	Textiles (Technology)	Textiles (Technology)
			Engineering	Engineering	Engineering
			Hospitality	Hospitality	Hospitality
			Construction	Construction	Construction
	Steam	Steam		Furniture	
COMMERCE					
	DIGITAL TECHNOLOGY (DGT)	Digital Technology (DGT)	Digital Technology (DTT)	Generic Computing – Applications (CPG)	Generic Computing – Applications (CPG)
				Multimedia Technology (ICT)	Multimedia Technology (ICT)
				Programming and Computer Science (PRG)	Programming and Computer Science (PRG)
	Business & Economics	Business & Economics	Accounting	Accounting	Accounting
			Business Studies	Business Studies/ IB Business Management	Business Studies/ IB Business Management
			Economics	Economics/ IB Economics	Economics/ IB Economics
					Economics Scholarship

THE FLOW OF SUBJECTS – RANGITOTO COLLEGE 2020					
	Year 9	Year 10	NCEA LEVEL 1	NCEA LEVEL 2	NCEA LEVEL 3
HEALTH PE					
	HEALTH	HEALTH	Health	Health	Health
	PHYSICAL EDUCATION	PHYSICAL EDUCATION	Physical Education	Physical Education	Physical Education
				Physical Education Lite	Physical Education Lite
			Sports Science Extension	Sports Science Extension	Sports Science Scholarship
CAREERS & LEARNINGSUPPORT					
			KORU	KORU	KORU
				Gateway	Pathways to Employment

IB SUBJECTS (STUDIED IN YEAR 12 AND 13)

NCEA Level 1 Subjects	IB Subjects Offered 2021 (Y12 & 13)
English English Extension Media Studies	Language A Literature Language A Language & Literature Language B English
ESOL	Language B English
Mathematics leading to Algebra Mathematics leading to Statistics Mathematics Extension	Mathematics AA Mathematics AI Mathematics AA
Geography Geography Extension	Geography
History History Extension	History
Business Studies	Business Management
Economics	Economics
(No NCEA subject equivalent)	Psychology
Science Science Extension	Biology Chemistry Physics
Chinese French Japanese Spanish English	<u>Beginners (Ab Initio):</u> Chinese, Japanese, French, Spanish <u>Standard/Higher Level (Advanced):</u> Chinese, French, Spanish, Japanese, English <u>Other languages available via offsite tutor:</u> Currently: Spanish, Korean, Russian and Italian are facilitated in this way. Other languages are available, both in Language A Literature and Language B Acquired Language.
Visual Art	Visual Art (dependent on numbers)
Music	Music (dependent on numbers)

Pamoja education (online learning) offers many IB subjects and this option can be accessed in a large number of subjects if timetable clashes arise for individual students.

GENERAL INFORMATION

Students choose **THREE** 'option' subjects in Year 10. These three subjects will be taught over the entire year along with the core subjects.

A Year 10 students' course would look as follows -

CORE SUBJECTS (all done over the entire year)	'OPTION' SUBJECTS (all done over the entire year)
English	Choice 1
Mathematics	Choice 2
Science	Choice 3
Junior Social Science	
Physical Education and Health	

It is preferable that these three 'option' subjects are chosen from the courses the student studied for a semester in Year 9. However, it is possible to pick up a new subject/s in Year 10 if this is a sensible choice for the student.

The Year 10 deans will overview the course choices made by all the year 9 students moving into year 10 in 2020 and will follow up with any who may need course counselling.

The available '**OPTION**' subject choices, to select **THREE** from, are as follows –

THE ARTS

Visual Art (ART)
Drama (DRA)
Contemporary Music (MUS)

Dance (DAN)
Music (MPF)
Performing Arts (PFA)

COMMERCE

Business and Economics (BEC)

Digital Technology (DGT)

LANGUAGES

Chinese (CHN)
Spanish (SPA)

Japanese (JPN)

TE KIKO O RANGITOTO

Māori (MAO)
Māori Practical Arts (MPC)

Māori Performing Arts (MPA)

TECHNOLOGY

Design and Visual Communication (DVC)
Food Technology (FOD)
STEAM (STM)

Electronics Technology (ELE)
Materials Technology (MTC)
Textiles Technology (TEX)

Instructions detailing where and how to make subject choices for the following year, and the timeline will be emailed to students some time in Week 6 that starts on 24 August. **Choices** for Year 10, 2022 are **due** in PCSchool by **Wednesday 20 October (Week 1, Term 4)**.

The Senior Courses handbook has a great deal of information on NCEA, courses at other levels, University requirements, numeracy and literacy... It can be found on the School Website (www.rangitoto.school.nz/academic/academic-programmes/) and then scroll down to Junior Subject Handbooks (downloadable).

If there are any queries or concerns then please contact the Tutor Teacher or the relevant Dean.

INTERNATIONAL BACCALAUREATE

Rangitoto College offers the International Baccalaureate Diploma Programme for **Year 12** and **Year 13 students**. Details on the International Baccalaureate are found on the Rangitoto College website address that is shown below and the subjects listed on page 3.

<http://www.rangitoto.school.nz/academic/international-baccalaureate>

Rangitoto College Timetable

Start time	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
8:40am (15)	Tutor period					
8:55am (5)	Transition time					
9:00am (60)	A	F	E	D	C	B
10:00am (5)	Transition time					
10:05am (60)	B	A	F	E	D	C
11:05am (25)	Break 1					
11:30am (80)	C	B	A	F	E	D
12:50pm (5)	Transition time					
12:55pm (40)	D	C	B	A	F	E
1:35pm-2:15pm (40)	Break 2					
2:20pm-3:20pm (60)	E	D	C	B	A	F

The schools timetable works on a 6 day rotation.

Each day has 5 periods and there is 5 minutes between each class for students to move.

SUBJECT INFORMATION

ENGLISH

ENGLISH

Year 10 English incorporates both strands of English in the New Zealand Curriculum: making meaning of the ideas and information students receive, and creating meaning for themselves and others.

English in Year 10 helps to consolidate students' knowledge of English language and literature while extending their reading and writing skills. There is a particular emphasis in the course on the knowledge and skills necessary for students to become accurate, creative and effective writers of written language.

Students study a range of text types, including a novel, a Shakespearean tragedy, and poetry. They are given the opportunity to write creatively and for literary analysis, with our course having a strong focus on the acquisition of effective and wide-reaching vocabulary. The year 10 English course mirrors year 9 with its schedule of assessments, meaning students are assessed in each unit through both a quiz, to check their acquisition of knowledge, and a piece of formal writing. The formal writing allows teachers to track student capacity for applying the knowledge that is central to each unit. At the end of the year students sit an exam which will also contain quiz and extended writing elements.

Students work both in exercise books and with devices but all written assessments are completed by hand as a way of ensuring students are developing the ability to spell and punctuate accurately. Homework is set in order to help reinforce language knowledge and writing skills. Part of the course cost includes a homework grammar and language skills workbook.

Our English teachers are passionate about supporting students to grow as readers and writers and are committed to exposing students to texts and knowledge that are beyond their current experience. We wish for our students to be passionate about reading and discovering a deeper understanding of the world they inhabit through literature. We are also dedicated to supporting students to continue developing their capacity as effective communicators who are fully able to be critically engaged members of society.

ENGLISH FOR LITERACY

Year 10 Literacy English (10ENL) is a course offered to a small number of students who require more assistance in the subject. It is taught in a smaller class environment so that students have more teacher input.

Students who are offered a place take 10ENL alongside mainstream Year 10 English for two terms, instead of one option subject. The 10ENL course aims to develop expression and fluency with a particular emphasis on improving the fundamental skills of reading and writing.

Students cover the essential skills necessary to achieve success in English as they move through into the senior school, including studying extended and short texts, as well as an intensive focus on essential writing skills. 10ENL is assessed through coursework and block tests. In Year 11, depending on their grades, students may continue into 11ENL or may be accepted into Year 11 English.

ENGLISH FOR LITERACY

Year 10 Literacy English (10ENL) is a course into which a small number of students are placed. These students are identified as requiring more assistance in the subject. It is taught in a smaller class environment so that students have more teacher input.

The 10ENL course aims to develop expression and fluency with a particular emphasis on improving the fundamental skills of reading and writing.

Students cover the essential skills necessary to achieve success in English as they move through into the senior school, including studying extended and short texts, as well as an intensive focus on essential writing skills. 10ENL is assessed through coursework and block tests. In Year 11, depending on their grades, students may continue into 11ENL, may go into 11 Intermediate English, or may be accepted into Year 11 English.

E.S.O.L.

ESOL

The pre-intermediate and intermediate ESOL courses enable students whose first language is not English to become proficient users of the world's most widely spoken language. Learners are encouraged to build a foundation of vocabulary and language skills that will help them meet the demands of the subjects they study at school. A combination of teaching and learning approaches, based on the English and Learning Languages areas of the New Zealand Curriculum, is used.

All programmes aim to involve students in using language that gives them an appreciation of literature and help students develop an understanding of the patterns and structures used in English. Activities include a novel study, research, and film study.

Programmes help students to:

- learn listening, speaking, reading and writing skills;
- use language to identify and communicate information for a range of purposes;
- develop vocabulary and explicit knowledge of how grammar works and why it's important;
- acknowledge the importance of understanding relationships between culture and language;
- develop thinking skills.

Course costs: Workbooks \$20

SOCIAL SCIENCES

JUNIOR SOCIAL SCIENCE

Overall Aim of Junior Social Sciences: to create a challenging and stimulating environment in which students can develop skills for understanding different concepts and engage with the world around them.

Students are required to purchase a paper exercise workbook and have a device.

Course costs are \$20 per student to cover resources supplied.

The course covers the following topics:

Cities on the Brink: Explores and evaluates how cities respond to natural and man-made disasters.

Rights and Wrongs: An investigation of human rights abuses throughout history.

Cultures Collide: Understand how the Treaty of Waitangi is responded to differently by people in different times and places.

Subject Tasters: This unit delivers a taster of all six Senior Subjects: Geography, History, Classical Studies, Art History, Tourism and Sociology.

Year 10 Extension Junior Social Science:

This course combines the core content of the mainstream JSS course with some extension opportunities including a History and a Geography assessment that mirrors what students can expect in NCEA Level 1. Students will also examine and learn about key Senior Social Science skills that will be beneficial should they choose to continue with a Social Science in Year 11.

MATHEMATICS

MATHEMATICS IS COMPULSORY FOR ALL STUDENTS UNTIL THE END OF LEVEL 1.

THIS IS TO ENSURE THE NUMERACY AND UNIVERSITY ENTRANCE REQUIREMENTS ARE SATISFIED.

MATHEMATICS

Year 10 Mathematics implements the New Zealand Curriculum document: Mathematics and Statistics. The Year 10 learning programmes cover all of the strands: Number and Algebra, Geometry and Measurement and Statistics at levels 5 and 6 of the curriculum. Students will be grouped according to their abilities and work will be adapted to best suit each individual's need within the classroom. Level 3 and 4 work will be given as appropriate for students who have gaps in their understanding. It is always important to consolidate their knowledge before moving forward.

There is an opportunity for students to be accelerated into an 11MTX class. These students will progress into an International Baccalaureate AA HL Mathematics or attending both NCEA scholarship (Calculus and Statistics) classes. Selection into this class will be by invitation. This will be decided on test results, problem solving ability, work habits and teacher recommendations.

The majority of Year 10 students study 10MAT and follow a scheme of work that covers achievement objectives relating to Level 5 of the Mathematics and Statistics curriculum. 10MAT complete 1.1 Number, a four credit Level One Achievement Standards and 1.11 Bivariate Data, a three credit Level One Achievement Standard.

Regular homework is provided to reinforce the concepts and skills covered in the learning programme. This homework involves a mixture of activities including activities on myimaths.com, google drive workbooks, work-sheets or in the commercially purchased workbook.

10MAT assessment involves common tests and one end of year, two hour examination. Tests are formative with the purpose of providing useful feedback to students about their progress. The final end of year examination will give the students practice at NCEA style assessment and help them prepare for Year 11 Mathematics. Course placement in Year 11 will be dependent on the progress each student has made in Year 10, their end of year examination grade and teacher recommendation.

Course costs are to be advised. We endeavour to make our resources as accessible as possible through BYOD, however there will still be a fee to cover the workbook and resources that cannot be easily accessed electronically and therefore must be printed.

A scientific calculator is required for year 10 Mathematics. Students may want to familiarise themselves with a graphics calculator in preparation for the NCEA external examinations in Year 11. these are available at stationary stores and the Maths Resource Centre. Students are also expected to bring the appropriate equipment to class each day. Rulers, protractors and compasses are also available for sale through the Maths Resource Centre.

Mathematics is compulsory in Year 9, Year 10 and Year 11.

SCIENCE

SCIENCE

Science in Year 9 continues into Year 10.

This interesting, highly practical course is composed of topics that cover Biology, Chemistry, Physics and Geology. The course is assessed through a combination of topic tests, two assessed practical investigations and an end of year examination.

Year 10 builds a foundation of knowledge and skills that are built upon in Year 11 Science.

Students are encouraged to continue with Science in Year 11. There are three different programmes available. Entry into the courses is based on academic progress in Year 10. Most students choose to move into year 11 General Science. Students with good academic progress and an interest in Science are invited to choose Year 11 Double Science. A small number of students who benefit from a slower paced internal course are invited to select the Science Internal course.

Course costs: Resource book and Homework Book \$20.00.

HEALTH & PHYSICAL EDUCATION

PHYSICAL EDUCATION

Topics covered in Physical Education fall under four strands:

- A Personal Health and Physical Development
- B Movement Concepts and Motor Skills
- C Relationships with other people
- D Healthy Communities and Environments

The overall aim is that students will develop the knowledge, skills, attitudes and motivation to make informed decisions and act in ways that contribute to their personal well-being, the well-being of other people and that of society as a whole.

There are four major themes in Physical Education, Social Responsibility, Biophysical Considerations, Project Based Learning and Sports Education. Students explore these themes using a variety of non – traditional and traditional activities.

HEALTH

Health will be taught in blocks throughout the year in Physical Education. Students will examine their own and others values and attitudes about current health issues. They will develop decision making strategies to manage risk and enhance well-being. There will be a focus on positive relationships, rights and responsibilities during the transition into adulthood.

THE ARTS

VISUAL ART

The subject constitutes a wide range of fields, including sculpture, painting, printmaking, photography, and design and strengthens problem-solving and critical-thinking skills. Students will learn to communicate ideas visually, and will be encouraged to base their work upon their own personal interests and experience.

During the semester students will experience a range of drawing, printmaking and painting skills. Students will start to learn about the various forms and processes of the Visual Arts. Through practical work and a study of artists' practice, they will learn to make images, to source and develop ideas, and to communicate and interpret meaning. Students will come to understand visual art works as social and historical texts as they investigate the contexts in which the Visual Arts are made, used, and valued.

It is important to note that the skills being taught underpin that of subsequent study, and, as a University approved course, it will allow students to prepare themselves for future creative industries pathways, including: Designer, sculptor, painter, photographer, filmmaker, printmaker, animator, illustrator, fashion designer and more. Students will learn creativity, collaboration and innovation - key skills for 21st Century careers, whichever pathway they choose to take.

The course leads on to a full year programme in future years of study.

The subject fee of approximately \$30 is payable at the beginning of this course. This covers the cost of additional materials, such as paper and paint. Students will need to purchase the Year 10 compulsory art kit, online or in store through the College's Art Stationery Supplier – Office Max. Each art kit contains the basic equipment required for the course and costs approximately \$85.

PERFORMING ARTS

DRAMA

DRAMA

Year 10 Drama provides an opportunity to build on previous dramatic experience or to try Drama for the first time. Students will work in a collaborative environment to explore a wide range of performance skills including improvisation, acting technique and physical theatre, within dynamic and engaging modern and historical contexts.

Students will have a variety of performance opportunities to showcase their developing skills throughout the year and these include: an improvisation unit, a scripted play, devised physical theatre and a performance related to a specific theatre form. Throughout the year students will develop skills in self-management, relating to others, participating and contributing, as well as using key terms and vocabulary language in a variety of ways, and developing higher order thinking skills. Students will be expected to keep and maintain an organised journal of activities, readings and learning in all units of work. There may be also be opportunities to attend performances and workshops with professional theatre companies. The course will have performance evenings throughout each term and a full play will be performed to an invited audience demonstrating skills and content learned throughout the year. Although not a prerequisite, this course is an important foundation for NCEA Level One Drama.

MUSIC

MUSIC PERFORMANCE (MPF)

This course is designed for young musicians with previous experience in the practical and theoretical aspects of music. Students will perform both in groups and as soloists. It is expected that students receive individual tuition on their chosen instrument either privately or as part of the school's itinerant music tuition system, and that they participate in one or more of the College's instrumental or vocal ensembles. All students will compose music and learn to use a variety of specialised computer music applications. Building a general musical knowledge is also essential and a range of music styles/periods will be covered throughout the year together with the

development of aural and score-reading skills. This course is an important foundation for NCEA Level One Music.

CONTEMPORARY MUSIC (MUS)

An alternative course designed for young musicians with previous experience in rock/pop-based music and skills on guitar, bass, keyboard, drums and voice. Students will perform as soloists and will form bands with other students in the class. It is expected that students enrol for individual tuition on their instrument of choice, and that they participate in the co-curricular activities of the department (e.g. Rock Band, Jazz Combo, Stage Band etc). All students will compose music and learn to write songs using a variety of traditional techniques as well as modern computer based music applications. Therefore the willingness to learn how to read music and a positive attitude towards improving the reading of music and theory in general are essential. A range of music styles/periods will be covered throughout the year together with the development of aural and score reading skills. This course is an important foundation for NCEA Level One Music.

The decision of MUS or MPF will be made by the HOD Music based on student choice, discussion and consultation with the classroom music teachers.

DANCE

Year 10 Dance builds on concepts taught in Year 9, therefore it is preferred (not compulsory) that students have selected this as an option in Year 9 or have studio background training. Students engage in both practical and theoretical learning tasks. The course, which is designed to be challenging however accessible to all abilities, is for anyone who has a passion for dance and performing. The includes, but is not limited to, opportunity to choreograph in accordance with the dance elements and devices, performance opportunities through the exploration of different dance styles (e.g. jazz, contemporary, hip hop) and exploration of cultural dance. Students are expected to bring a change of clothes to enable them to move freely during class.

A materials fee of \$60 is payable at the start of the course, this covers dance performances, trips, travel costs, costumes and specialised tutors.

This course is an important foundation for NCEA Level One Dance and it is important to note that the skills being taught underpin that of subsequent study.

PERFORMING ARTS

Year 10 Performing Arts encompasses all three disciplines of Performing Arts i.e. Dance, Drama and Music. This course has been designed with a student in mind who wants to explore other disciplines and strengthen their current skills in the Performing Arts.

The course will focus on incorporating all aspects of Musical Theatre (production, performance, history, staging, technical etc.) with the goal being a Junior Musical in Term 4.

A unique aspect of the course is that it will be taught and directed by three specialist teachers in these areas who will work collaboratively to create unique and varied performance opportunities.

Previous skill in all areas of Performing Arts is not required as the foundations of each discipline will be covered in depth. However, the course will also allow for extra development in preferred discipline. Students enrolling in this course can also take one other course from the core Performing Arts area e.g. dance, drama or music. Content covered in core performing arts subjects will be different to that of the performing arts course.

The content covered in this course will be a foundation for Level One study in all three disciplines; Dance, Drama and Music.

COMMERCE

BUSINESS AND ECONOMICS

The Year 10 Business and Economics course is divided into four parts – Economics, Accounting, Business Studies and Financial Literacy. In Economics students are introduced to the idea that for an economy to work efficiently, money has to continually change hands. Students learn about the interdependence of consumers, producers, the government and the overseas sector.

In Accounting students learn how to process accounting transactions using the accounting equation, analysis charts and general ledger. After preparing a trial balance students learn how to write up an Income Statement and Statement of Financial Position.

In Business Studies students explore the qualities of enterprising people and through a series of activities find out how enterprising they are. Many aspects of running a business are covered; including writing up a business plan and then students have a real business experience by participating in the annual market day.

In Financial Literacy students learn how to be smart with their income and spending. Topics include saving, borrowing and Kiwi Saver.

A course fee of \$18 covers workbooks.

DIGITAL TECHNOLOGY (DGT) and COMPUTING

DIGITAL TECHNOLOGY

This course uses a selection of core digital media and computing applications including 2D animation, web design, game development, desktop publishing, image creation and manipulation (bitmap and vector graphics), logic thinking and drag 'n drop programming skills. There are also opportunities to develop text based programming and robot coding skills.

Students also gain a sound understanding of accepted layout and design practices as they create an outcome for a set project each term. These outcomes include a simple game, a presentation, an animation and a website or simple app.

Research skills, operating and file management procedures, awareness of legal and ethical issues, trends in ICT and an introduction to the technological process are also covered. Students are encouraged to explore a range of digital technologies thereby gaining the confidence to use computers and ICT across the curriculum.

The course gives students an excellent grounding for all of the Year 11 Digital Technology courses.

LANGUAGES

LANGUAGES

- Students can continue with one or two of the following: Japanese, Chinese, Spanish.
- Under special circumstances beginners may be accepted at Year 10 - see Miss O'Grady (Head of Languages) if you want more information.
- Students with advanced knowledge of a language may also be able to go into Year 11 – see Miss O'Grady for more information.
- In the past trips / exchanges are available in all subject areas. In recent years we have had school trips to France, Spain, New Caledonia, Argentina, Tahiti and Japan and we have accepted schools from these countries too. These will resume when travel is no longer restricted.
- All courses build on work done in Year 9, developing reading, writing, listening and speaking skills.
- Native speaker assistants in French, Spanish and sometimes Japanese are based at the College to provide extra help with oral language.
- Course costs include subscription to an online vocabulary learning website.

TE KIKO O RANGITOTO

E ngā akonga kamehameha, nau mau, hoki mai. Tēnei te mihi ki a koutou e minaka ana ki te kai a te rangatira. Ki a koutou, ngā teina, e mōhio ai ko te reo te mauri o te mana Māori, tēnā koutou katoa. E kīa nei, “Ko te manu e kai ana i te miro, nōna te ngahere. Ko te manu e kai ana i te matauranga, nōna te ao”. Nō reira, e te hunga e whai ana i te reo Rangatira me ōna tikanga, tēnā rā tātou katoa.

The Year 10 programmes are guided by the tikanga, or philosophy, to whakamana - to empower and to esteem, through Māori world views. Course costs include subscription to an online vocabulary learning website. Students with advanced knowledge of Te Reo may also be able to go into Year 11 – see Whaea Sarah for more information.

Te Reo Māori - The Year 10 Te Reo course is designed to build on the language skills from Year 9. Students will be able to use language skills to communicate in increasingly varied situations. Students will also enhance awareness of their own cultural heritage and enhance their literacy and critical thinking skills. Topics covered include Māori heroes or personal role models, daily routines, verbal sentences and food.

Year 10 Māori Performing Arts - This course is a practical course that journeys into Te Ao Māori through Māori Performing Arts – primarily kapa haka, and taiaha. This course will provide explicit links to kaupapa Māori through connecting to history, learning about famous waiata, studying famous songwriters and famous kapa haka groups. An engaging course for those with a passion for kapa!

Year 10 Māori Practical Arts - Māori Practical Arts builds on the year nine programme and continues to explore Mātauranga Māori, indigenous knowledge within Māori Arts. Students learn about tikanga, design and practical elements of production through whakairo carving and ataata visual arts. This course would complement learning Te Reo Māori, as it covers cultural knowledge as well as language knowledge which allows students to uphold the partnership, protection and participation under *Te Tiriti o Waitangi*.

LEARNING SUPPORT

TECHNOLOGY

MATERIALS TECHNOLOGY

This course is the foundation to NCEA level one Technology. The course builds on the skills taught in Year 9MTC and consists of a series of units that continue to develop student's skills across all areas of the Technology Curriculum. This includes areas such as safe working practices, material manipulation using tools, machines and processes, product design, visual communication, CAD/CAM and product evaluation. Emphasis is placed on improving student knowledge and ability to manipulate materials and design an original/innovative product through to a prototype stage. Materials Technology leads into Yr11 Materials Technology, and many of the skills gained are transferrable into technology courses such as Textiles Technology. It can be used to gain University Entrance credits and is a launching pad to areas such as Product Design, Project Management, Industrial Design, Project Management, Furniture Design and can play a vital role in developing skills relevant to students intending to study Engineering at University.
Course Cost: Approximately \$20.00.

ELECTRONICS

This course is the foundation to the NCEA level one Electronics course. The first semester involves learning about electronic concepts, developing skills in building and testing circuits. This covers the basics of electricity through to more complex circuit systems. Design projects will be underpinned by the programming of microcontrollers to control input sensors and outputs.

Students are presented with design briefs and explore design solutions using electronics to develop concepts in authentic contexts. These will be presented through digital portfolios and follow the same technological practice that is carried out in all areas of Technology. This includes identifying a need or opportunity for a product, then researching and developing a solution through to a final product. Planning time and resources, experimenting and documenting reasoned and justified decisions as to how and why their projects should be made, are important areas of this subject.
There is a fee of \$55 that covers the cost of six take home projects.

FOOD & TEXTILES

FOOD TECHNOLOGY

Food technology in year 10 aims to extend students "creativity, knowledge and practical skills in developing food products by working through a technological process: know how, know why and know what. The know-how - practical processing skills - is only one third of the course. Learning will be authentic: investigating real world issues, an understanding of food science and nutrition, a working knowledge of food safety and hygiene, awareness of consumer issues, sustainable practices and skills in food preparation and cooking. Students will identify needs and opportunities from a given food issue and develop their own creative food outcome. Working collaboratively, planning time and resources, experiments with ingredients, documenting evidence and creativity are all important aspects of food technology.
A course fee of \$170 is payable as a contribution to the cost of ingredients.

TEXTILES TECHNOLOGY

The year 10 programme aims to extend students 'creativity, knowledge and practical skills' in the developing textile products by working through a technological process: Know how, know why and know what.

Textiles Technology offers a hands-on environment where students are free to develop their creativity through the process of finding solutions to difficult or complex issues. Students are encouraged to expand their ideas, think outside the box, problem solve, refine and evaluate their decisions.

The academic programme is divided into 4 units of work, each exploring a different facet of 'Textiles'. The first is a 'self-discovery' journey into personal identity and the visual communication technique of decorative embellishment. Next delves into the complexities of conceptual design, from sketch to garment. In this unit of work students are taught how 2D graphics work on a 3D garment. Students all get the opportunity to digitally design their own fabric and print at the AUT print lab. This follows a unit looking at the importance of sustainability within the textile industry and how to create sustainable design ideas. Research, critical thinking and modelling come together into exciting and innovative products. The year is finished with an E-Textiles unit, where students learn basic circuits and coding to apply to wearable technology to create their own electronic textiles product. Students are encouraged to keep a visual diary during the course. A subject fee of \$100 is payable as a contribution to the cost of materials.

DESIGN & VISUAL COMMUNICATION

Design and Visual Communication (DVC) is a design subject with a strong element of drawing. It allows students to develop skills that help them to communicate ideas in response to a design brief. It focuses on understanding and applying drawing techniques and design practice to communicate design ideas. Students will start to enhance their ability to conceptualise, develop, and communicate design ideas and potential outcomes, and their skill to interpret graphical information.

Design heritage and the evolution of design is emphasised and referenced in students' design thinking and outcomes. Students will learn the fundamental principles of aesthetics and function, and human factors, which underpin their ability to conceptualise and explore their design ideas.

Design and Visual Communication (DVC) covers two main areas of three-dimensional design:

- Spatial Design – Architecture and Environmental
- Product Design

During the year students will experience drawing, spatial design and/or product design. This course is University approved and is a starting point for career pathways, including: Three-dimensional design, advertising, apparel design, architecture, computer-aided design (CAD), environmental design, exhibition design, footwear design, furniture design, industrial design, interior design, landscape design, product design, game design, toy design, transportation design...

The course leads on to Level 1 NCEA DVC and then Level 2 and 3 DVC, including Scholarship, in future years of study.

The course cost of \$30 covers the cost of DVC materials, such as paper and some equipment. Students are expected to come to lessons equipped with basic drawing tools – pencils, ruler, 30°/60° and 45° set squares, a quality compass, eraser, quality colour pencils, an A3 carry case and an A3 clear file is also required.

Students could purchase the Year 10 DVC kit, online or in store through the College's Art Stationery Supplier – Office Max, or alternatively through another stationery provider. Each DVC kit contains the basic equipment required for the course.

STEAM

STEAM

Year 10 STEAM (Science, Technology, Engineering, Action and Maths) is designed to build interest and proficiency in the application of STEAM and to show how this subject can be applied to help improve their communities, within New Zealand and beyond. Each term students will work collaboratively to identify and investigate a range of different authentic contexts, using the United Nations 2030 Sustainable Development Goals to consider the social, moral, ethical, and end user implications of their projects.

They will use Digital Technology to present and structure their investigations. Science, Technology, Engineering, Action and Maths will be used to investigate, define and explore their context and projects. Students will need to Identify an issue within a given context and use STEAM to develop potential solutions to improve or resolve the issue they have identified.

Through this process the aim is to fostering creativity and curiosity. While students to begin to develop 21st-century skills like Digital fluency, collaborative problem solving, Growth Mindset, and Resilience in a modern work environment.

There is a course cost of \$65 that covers the cost of Material and the take home aspect of the projects.