ST. JOHN'S COLLEGE HASTINGS

SENIOR OPTIONS HANDBOOK 2023

SENIOR OPTION LINES FOR 2023

Choose one from each Line:	1	2	3	4	5	6
Y11	11MAT	11VET	11MXB	11VET	11VET	11VET
	11ENG	11GEO	11SciA	11SciB	11SciA	11MUS
	11MTT	11ENG	11ENG	11PED	11MxB	11SEN
	11TeREO	11DDT	11CUL	11COM	11PED	11DVC
	11HIS	11ART			11Te AO	11SciB
Y12	12SEN	12VET	12ACC	12MUS	12MAT	12VET
	12PHY	12ENG	12HIS	12ENG	12DVC	12ART
	12MAT	12CHE	12VET	12GEO	12VET	12PED
	12CUL	12MXB	12MXB	12BIO	12MTT	12ECO
	12CPS	12MAO	12TOR		12Te AO	12ENG
						12DDS
Y13	13CPS	13MAO	13TOR	13MAT	13DVC	13DDS
	13GEO	13VET	13PHY	13ENG	13MUS	13HIS
	13MXC	13MTT	13PED	13GAT	13FIN	13CUL
	13ECO	13MXS	13AHI	13PAI	13VET	13CHE
	13VET				13BIO	13ACC
					13Te AO	

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INTRODUCTION

This booklet will help students make informed decisions about choosing subjects for next year.

YEAR 11 PROGRAMME

Year 11 students will study a course of six subjects. VET (Values, Ethics and Theology), English, Mathematics and a Science subject are compulsory. The other two subjects are option choices.
All Year 11 students will study towards Level 1 of the National Certificate of Educational Achievement (N.C.E.A.) To achieve Level 1 N.C.E.A., students must gain 80 credits, ten of which must be from Literacy Standards, and ten of which must be from Numeracy Standards.
Most courses offer 18-22 credits.
The achievement standards which carry the credits can be attained in three grades.
Achieved - which means the standard has been met.
Merit - which means the standard has been achieved at a convincing and developed level.
Excellence - which means that the standard has been achieved in a perceptive and thorough way.

YEAR 12 PROGRAMME

Students study a Year 12 course of six subjects. English and VET (Values, Ethics and Theology) are compulsory.
Year 12 students will study towards Level 2 of the N.C.E.A. To achieve Level 2 N.C.E.A. students must gain 80 credits and include Literacy and Numeracy.

YEAR 13 PROGRAMME

Students study a Year 13 course of six subjects, including VET (Values, Ethics and Theology) which is compulsory.
Year 13 students will study towards Level 3 and University Entrance.
To achieve Level 3 N.C.E.A. students must gain 80 credits, 60 of which must be at Level 3 and include Literacy and Numeracy.
There is also the opportunity at Year 13 for more able students to sit a scholarship examination in some of their Level 3 subjects.

ENTRANCE TO UNIVERSITY

In order to enroll at a New Zealand University, a student requires a formal entrance qualification from the New Zealand Qualifications Authority. The University Entrance qualification is obtained by achieving **all** of the following:

- Level 3
- 14 credits in each of **three** approved Level 3 subjects
- 10 credits in Level 1 Numeracy standards or higher
- 10 credits in Level 2 Literacy standards or higher. Five of these must be in writing and five must be in reading.

MULTILEVEL STUDY

Our timetable structure makes multilevel study possible. This means students can study a mix of subjects from Levels 1, 2 or 3.

OPTION SELECTION

Students will meet with Academic Deans to discuss their options for 2023. The Senior Option booklet will be emailed to parents so that you can discuss the options with your son.

If you have any questions relating to subject choices please email his subject teacher or for specific NCEA questions please email
Mrs Tracy Russell – trussell@stjohns.school.nz

CAREERS PLANNING:

When planning a course of study, students should consider the following:

- Their strengths and what they enjoy doing.
- Be aware of their skills, abilities, attitudes and interests and match these with possible career options.
- Keep their subject choices open as long as possible. A career plan can often change. This needs to be balanced however with taking subjects that match possible career choices.

Mr Simon Thomson heads careers at St. John's College. He is available for advice about career options for all students at all levels. Email: sthomson@stjohns.school.nz

Subject Descriptions

The remainder of this booklet gives a brief outline of each subject offered in the senior school.

THE ARTS – Visual Arts

H.O.D. Mr. D. Dickson
ddickson@stjohns.school.nz

The Visual Arts is a place where you can explore the creative world around us and learn to see and experience things in a different way. Art is a place where you learn express thoughts, solve problems, and become more efficient with hand-eye coordination.
Develop the lateral thinking mind and transfer creative thoughts into imagery.

Course Entry Requirements
Year 11 Has completed Art Option in Year 9 or 10, or at HOD's discretion
Year 12 Has 12 credits in N.C.E.A. Level 1 Art or at HOD's discretion
Year 13 Has 16 credits in N.C.E.A. Level 2 Art or at HOD's discretion

YEAR 11 ART LEVEL 1 NCEA

AS Number	Achievement Standard	Credits	Assessment Method
90915 **1.3**	Use drawing conventions to develop work in more than one field of practice	6	Internal
90916 **1.4**	Produce a body of work informed by established practice, which develops ideas, using a range of media	12	External

YEAR 12 ART LEVEL 2 NCEA

AS Number	Achievement Standard	Credits	Assessment Method
90476 **2.3**	Develop ideas in a related series of drawings appropriate to established painting practice	4	Internal
91321 **2.4**	Produce a systematic body of work that shows understanding of art making conventions and ideas within painting	12	External

YEAR 13 ART LEVEL 3 NCEA

AS Number	Achievement Standard	Credits	Assessment Method
91451 **3.3**	Systematically clarify ideas using drawing informed by established painting practice	4	Internal
91456 **3.4**	Produce a systematic body of work that integrates conventions and regenerates ideas within painting practice	14	External

If you are considering any of the following jobs for when you leave school, then art might be an essential skill to help you pursue that career.

Advertising artist	Airbrush artist	Audio-visual artist	Model builder
Architect	Animator	Courtroom sketcher	Display artist
Art director	Assistant curator	Display painter	Exhibit designer
Art teacher	Cinematographer	Drafter	Fashion artist
Billboard artist	Costume designer	Editorial	Filmmaker
Book illustrator	Ceramic artist	Freelance artist	Furniture designer
Cartoonist	Interior decorator	Landscape designer	Graphic arts
Illustrator	Magazine illustrator	Logo designer	technician
Motion picture artist			Product designer

THE ARTS – Art History

T.I.C. - Mrs. T. Russell
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Kenneth Clark the great Oxford lecturer, writer and BBC presenter on art, "passionately believed art could be a force for good; that it had a civilising, enriching and mind-altering power".
Through art, architecture and sculpture we learn about human nature, religion, values, the way people lived in the past, how society has changed and why; as well as moving us through the beauty and majesty or challenging ideas that is possible when visionaries pick up a paintbrush, pencil or chisel.

The course is based upon a study of the art, architecture and sculpture of the **Late Renaissance** – think Raphael, Leonardo, Michelangelo and The Vatican. We link the works to art works of other eras and current NZ art. Each study focuses around the style, meanings and context (times) of the works.

The **three Internal Assessments and one External Assessment** in this course enable the students to gain L3 and UE. There are other Internal Assessments available. Technically correct English skills in essay writing are *not* vital as they are not part of the assessment schedule. It is a subject that requires an appreciation of how society is reflected in the visual arts.
Each Achievement Standard is worth 4 credits with a **total of 16 possible credits** in the course.

Achievement Standard	Number	Title	Credits	Assessment Method
91482	3.1	Demonstrate understanding of style in art works	4	External
91486	3.5	Constructing an argument based on interpretation of research in art history (Late Renaissance or a topic such as returning artworks to places of origin.	4	Internal
91487	3.6	Examine the different values placed on art works (Late Renaissance or Post-Modernism)	4	Internal
91488	3.7	Examine the relationship(s) between a theory and art works (Pop Art or Humanism)	4	Internal

The standards all carry value as UE Literacy credits for Reading (Internal Assessments) and both Reading and Writing (External Assessment). The written work required is in the form of paragraphs or essays but there is no mark schedule requirement for technically correct content. It must simply be coherent and clear. This applies to both the internal and external standards.

There are no restrictions on entering this course. You are more than welcome to join the class if you are a Level 3 student.

ARTS – Music

H.O.D. Mr. C. Wilson
cwilson@stjohns.school.nz

The values of studying Music

Musicians are respected in all industries for being articulate, great communicators and listeners, able to work in a team, lead or support when appropriate, confident in front of an audience, respective and encouraging to those around them, able to take on constructive advice, have integrity and meet deadlines. Complementary music careers are: broadcasting/journalism; audio-visual technical; events management; T.V./film/theatre; roadie; fashion, galleries and exhibitions… or just your basic international superstar!

Composition - students will learn to compose in a range of musical styles from Rock to Jazz to the atmospheric using specialist software. Students can also submit their more creative instrumental or song-writing works as compositions, such as an imaginative drum solo, rock guitar piece or setting lyrics to music. Not compulsory in Year 13.

Performance - is expected at Year 11 but not strictly compulsory, then optional from Year 12; the student can tailor-make their course based on their interests and skills thus far from a wide range of standards. Two pieces are required as a soloist - even a melody played in the right hand of a keyboard accompanied by chords in the left is enough to pass. One substantial piece as a member of a group is required, usually anything from a duet to a band item. Students develop their practical skills throughout the year with assessments commencing from the end of term 2.

Music Technology - students visit a professional recording studio and are recorded in small groups. In class, they then learn to use digital audio editing software to refine their recordings. They also use their notated compositions as evidence of skills with musical notation, signs and terminology.

Research – this is a great way to learn how bands and composers actually made their music so great or, e.g. study the rise and fall of an artist or genre. Students can choose their own topic of interest and the Standard comes with Literacy credits.

YEAR 11 MUSIC LEVEL 1 (Performance and non-performance courses available)
Entry Requirements: previous learning via the Year 9 and/or 10 Music Course; *or* ability on a musical instrument; or other significant musical experience/learning. The course is tailor-made to the student's interests and specialisms*, i.e. design your own course!*

Learning Aspect	Credits	Assessment Method
Choose from:		
Solo Performance	6	Internal
Group Performance	4	Internal
Composition	6	Internal
Music Technology Part 1 – operate a notation software program	2	Internal
Music Technology Part 2 – operate a digital audio workstation using MIDI and WAV data	2	Internal
Research	6	Internal
OPTIONAL EXTRAS		
Aural skills – recognizing chords and melodic patterns	4	External
Notation and musical terms skills	4	External

YEAR 12 MUSIC LEVEL 2 (Performance and non-performance courses available)
Entry Requirements: at least twelve credits in Level 1; *or* two years on a musical instrument; *or* other significant musical experience/learning. The course is tailor-made to the student's interests and specialisms*, i.e. design your own course!*

Learning Aspect	Credits	Assessment Method
Choose from:		
Solo Performance	6	Internal
Group Performance	4	Internal
Composition 1 – 'arrange' a piece for a chosen group of instruments, e.g. Bohemian Rhapsody for a Brass quartet and drums.	4	Internal
Music Technology Part 1 – operate notation software	3	Internal
Music Technology Part 2 – operate a digital audio workstation using MIDI and WAV data.	3	Internal
Research	4	Internal
OPTIONAL EXTRAS		
Solo Performance on a second instrument	3	Internal
Composition 2 – two original compositions, open choice	6	Internal
Aural	4	External
Score reading	4	External

YEAR 13 MUSIC LEVEL 3 (Performance and non-performance courses available)
Entry Requirements: at least twelve credits in Level 2; *or* three years on a musical instrument or both; *or* at least twelve credits in Level 1 Music *and* significant musical experience/learning. The course is tailor-made to the student's interests and specialisms*, i.e. design your own course!*

Learning Aspect	Credits	Assessment Method
Choose from:		
Solo Performance	8	Internal
Group Performance	4	Internal
Composition – there are three options, choose one or all!: 1. Composition using ICT or performance 2. Composition as a Singer/Song-Writer 3. Arranging – adapt two existing songs into different styles	 8 8 4	All Internal
Research – analyse a topic from your own expertise area	6	Internal
Music Technology Part 1 – operate a music notation application	4	Internal
Music Technology Part 2 – mix and edit recordings from sessions at a professional recording studio using a digital audio workstation.	4	Internal
OPTIONAL EXTRAS		
Solo Performance on a second instrument	4	Internal

COMMERCE Department

H.O.D. Mr. G. Hutcheson
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Mr. S. Thomson
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LEVEL 1 Commerce

Commerce is a new, innovative subject that combines the best of Accounting, Business Studies, and Economics.

You have an opportunity to learn foundational skills that will help launch you into the Level 2 subjects of Accounting and Economics.

The three areas of focus are:

1. How do we get what we want? In this area, we learn about the NZ Economy, how to make financial decisions, and the consequences of these decisions.

2. A closer look at Profit and Price. With this area, we look at what profit is, what money is, why price is important, why prices change, the influence of the market, and if debt is good or bad. *You also get to run your own business!*

3. What is Financial Interdependence? This area introduces and develops the Circular Flow model and brings it to life.

With the range of topics being covered, the course shows how Accounting, Business Studies and Economics connect and complement each other. There are lots of stories, activities, and fun examples to work through to reinforce learning.

Course Entry Requirements: Open Entry

LEVEL 1 Commerce

AS Number	Achievement Standard Title	Credits	Assessment Method
1.1	Demonstrate understanding of an organisation's financial decision	5	Internal
1.2	Use a commerce model to demonstrate understanding of price	5	Internal
1.3	Demonstrate understanding of financial interdependence	5	External
1.4	Demonstrate understanding of an organisation's financial viability	5	External

LEVEL 2 AND 3 Accounting

T.I.C. - Mr. S. Thomson

Accounting is the language of business. The study of accounting involves students in the process of identifying, measuring, and communicating financial information, which will enable them to make informed financial judgments and decisions.

The study of Accounting equips students with the ability to cope with the complexities of modern money management and provides students with an understanding of the financial world as it affects them.

Course Entry Requirements:

Year 12 A minimum of 10 credits in N.C.E.A. Level 1 Commerce and N.C.E.A. or at the discretion of the H.O.D.

Year 13 A minimum of 14 credits in N.C.E.A. Level 2 Accounting or at the discretion of the H.O.D. (Number of standards offered depends on the individual ability of each student)

LEVEL 2 ACCOUNTING

This expands students' understanding of the accounting concepts cycle, business organisations and accounting principles. As well as developing the foundation laid in Year 11 Commerce, students are introduced to Accounting Systems. Five achievement standards worth 19 credits will be offered.

AS Number	Achievement Standard Title	Credits	Assessment Method
2.1	Demonstrate understanding of accounting concepts for an entity that operates accounting subsystems	4	External
2.2	Demonstrate understanding of accounting processing using accounting software	4	Internal
2.3	Prepare financial information for an entity that operates accounting subsystems	5	External
2.4	Interpret accounting information for entities that operate accounting subsystems	4	External
2.5	Demonstrate understanding of a contemporary accounting issue for decision-making	4	Internal
2.6	Demonstrate understanding of an accounts receivable subsystem for an entity	3	Internal
2.7	Demonstrate understanding of an inventory subsystem for an entity	3	Internal

LEVEL 3 ACCOUNTING

This course extends students with the introduction of Company Accounting. Four achievement standards worth 18 credits will be offered.

Accounting skills are relevant in all fields of business

AS Number	Achievement Standard Title	Credits	Assessment Method
3.1	Demonstrate understanding of accounting concepts for a New Zealand reporting entity	4	External
3.2	Demonstrate understanding of accounting for partnerships	4	Internal
3.3	Demonstrate understanding of company financial statement preparation	5	External
3.4	Prepare a report for an external user that interprets the annual report of a New Zealand reporting entity	5	Internal
3.5	Demonstrate understanding of management accounting to inform decision making	4	External
3.6	Demonstrate understanding of a job cost subsystem for an entity	4	Internal

Career options include

Accounting, Administration, Auditing, Banking, Bookkeeping, Finance, Insurance, Management, Self Employed, Taxation

FINANCIAL CAPABILITY
T.I.C. - Mr. S. Thomson

Financial Capability is being offered to Yr12 and Yr13 students. This subject will assist you to develop your personal and business money management skills, helping to prepare you for life after school. The unit standards in this subject are all internally assessed and are not designed for those students taking Accounting or Economics. These credits count toward NCEA, but not toward University Entrance.

For your information, there are 24 unit standards across level 1, 2 and 3 providing a total of 68 credits, with 22 credits at level 2 and 21 at level 3. For your information, Level 2 unit standards are offered through 12MXB.

The Financial Capability unit standards for levels 1, 2 & 3 are grouped into six practical themes:

- Managing Income – Life stages, personal income, and taxation

- Credit and Debt – Credit history, personal loans, student loans and credit cards

- Setting Goals and Budgeting – Developing and balancing your budget, and long-term personal goals

- Saving and Investing – Personal savings and investments including starting a long-term personal investment portfolio

- Protecting Assets and Wealth – Risks and risk management, insurance and returns on investment

- Spending and Transacting – Banking, banking products, and purchasing a property.

These unit standards provide a flexible learning pathway that can be customised for the individual learner. We can make this work for you.

Feel free to have a chat with Mr Thomson if you have any questions.

LEVEL 2 and 3 ECONOMICS
T.I.C. - Mr. G. Hutcheson

Economics is the study of how people choose to use resources.
Resources include the time and talent people have available, the land, buildings, equipment, and other tools on hand, and the knowledge of how to combine them to create useful products and services.
Economics also includes big picture stuff that helps shape Aotearoa NZ such as trade, economic growth, employment, inequality, and inflation. We also add some practical business studies as economics and business go hand in hand.

Year 12 A minimum of 10 credits in N.C.E.A. Level 1 Commerce or Discretion of the H.O.D
Year 13 A minimum of 13 credits in N.C.E.A. Level 2 Economics or Discretion of the H.O.D
(Number of standards offered depends on the individual ability of each student)

LEVEL 2 ECONOMICS
This innovative course combines Business and Economics. Most of the year is taken up with Level 3 Business Studies courses where students plan and run an innovative business. The rest of the year is Economics based. The Level 3 credits count in both year 12 and year 13 years and can be used for university entrance if both level 3 standards are passed.

Only one external exam is sat at the end of the year, and this will be chosen from the two given below.

AS Number	Achievement Standard Title	Credits	Assessment Method
BUS 3.4	Develop a marketing plan for a new or existing product	6 *(level 3)*	Internal
BUS 3.6	Carry out, with consultation, an innovative and sustainable business activity	9 *(level 3)*	Internal
ECO 2.1 **ECO 2.2**	Analyse inflation using economic concepts and models ***OR*** Analyse international trade using economic concepts and models	4	External
ECO 2.7	Analyse a contemporary economic issue of special interest using economic concepts and models ***(dependent on time)***	4	Internal

LEVEL 3 ECONOMICS

This course covers both micro and macro-Economic theory. Five achievement standards worth 24 credits will be offered though most students will complete 20 credits

AS Number	Achievement Standard Title	Credits	Assessment Method
3.1	Demonstrate understanding of the efficiency of market equilibrium	4	External
3.2	Demonstrate understanding of the efficiency of different market structures using marginal analysis *(Scholarship students only)*	4	External
3.3	Demonstrate understanding of micro-economic concepts	5	Internal
3.4	Demonstrate understanding of government interventions to correct market failures	5	Internal
3.5	Demonstrate understanding of macro-economic influences on the New Zealand economy	6	External

Career pathways include

Law, Consultancy, Teaching, Banking, Economist, Local councils, and Journalism to name a few.

ENGLISH

HOD: Dr. L. Berry
lberry@stjohns.school.nz

Course Entry Requirements:

Level 1 A compulsory subject. Students are placed in either Level 1 English or Level 1 Senior (internally assessed course).

Level 2 A compulsory subject. Students are placed in either Level 1 English or Level 2 Senior, depending on their Level 1 results. Entry to Level 2 English is at the discretion of the HOD. The usual requirements are: 14 Achievement Standard Credits from NCEA Level 1 English, including at least 4 Credits from either 1.1 or 1.2 (external examinations).

Level 3 An optional subject. Entry to Level 3 English is at the discretion of the HOD. The usual requirements are: 14 Achievement Standard Credits from NCEA Level 2 English, including at least 4 Credits from either 2.1 or 2.2 (external examinations).

LEVEL 1 ENGLISH
18 Achievement Standard Credits - 8 Externally Assessed and 10 Internally Assessed

AS Number	Achievement Standard Title	Credits	Assessment Method
90849 **1.1**	Show understanding of specific aspects of studied written texts, using supporting evidence	4	External
908501 **1.2**	Show understanding of specific aspects of studied visual or oral texts, using supporting evidence	4	External
90052 **1.4**	Produce creative writing	3	Internal
90053 **1.5**	Produce formal writing	3	Internal
90852 **1.8**	Explain significant connections across texts, using supporting evidence	4	Internal

LEVEL 1 SENIOR ENGLISH
13 Achievement Standard Credits. This course is Internally Assessed. Students studying this course do not sit the External Examination.

AS Number	Achievement Standard Title	Credits	Assessment Method
90052 **1.4**	Produce creative writing	3	Internal
90053 **1.5**	Product formal writing	3	Internal
90857 **1.6**	Construct and deliver an oral text	3	Internal
90852 **1.8**	Explain significant connections across texts using supporting evidence	4	Internal

LEVEL 2 ENGLISH

18 Achievement Standard Credits - 8 Externally Assessed and 10 Internally Assessed

AS Number	Achievement Standard Title	Credits	Assessment Method
91098 **2.1**	Analyse specific aspects of studied written texts, supported by evidence	4	External
91099 **2.2**	Analyse specific aspects of studied visual or oral texts supported by evidence	4	External
91101 **2.4**	Produce a selection of crafted and controlled writing	6	Internal
91107 **2.10**	Analyse aspects of visual and/or oral text(s) through close viewing and/or listening, supported by evidence	4	Internal

LEVEL 2 SENIOR ENGLISH

13 Achievement Standard Credits. This course is Internally Assessed. Students studying this course do not sit the External Examination.

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AS Number	Achievement Standard Title	Credits	Assessment Method
91101 **2.4**	Produce a selection of crafted and controlled writing	6	Internal
91102 **2.5**	Construct and deliver a crafted and controlled oral text	3	Internal
91105 **2.8**	Use information literacy skills to form developed conclusion(s)	4	Internal

LEVEL 3 ENGLISH

18 Achievement Standard Credits - 8 Externally Assessed and 10 Internally Assessed

AS Number	Achievement Standard Title	Credits	Assessment Method
91472 **3.1**	Respond critically to specified aspects of studied written text(s), supported by evidence	4	External
91473 **3.2**	Respond critically to specified aspects of studied visual or oral text(s), supported by evidence	4	External
92475 **3.4**	Produce a selection of fluent and coherent writing which develops, sustains, and structures ideas	6	Internal
91479 **3.8**	Develop an informed understanding of literature and/or language using critical texts	4	Internal

MĀORI - Te Reo Māori

H.O.D Mr. M. Solomon
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Course Entry and Pre-requisite Requirements

Year 11 has taken Te Reo Māori in Year 10 with the HOD's discretion.
Year 12 have gained 12 or more credits in NCEA Level 1 Te Reo Māori
Year 13 have gained 18 or more credits in NCEA Level 2 Te Reo Māori

LEVEL 1 TE REO MĀORI ME NGĀ TIKANGA MĀORI
The Year 11 course will offer 4 of these Achievement Standards worth a total of 24 credits.

AS Number	Achievement Standard Title	Credits	Assessment Method
91085 **1.1**	Whakarongo kia mōhio ki te reo o tōna ao	6	Internal
91086 **1.2**	Kōrero kia mōhio ki te reo o tōna ao	6	Internal
91087 **1.3**	Pānui kia mōhio ki te reo o tōna ao	6	External
91088 **1.4**	Tuhi i te reo o tōna ao	6	External
91089 **1.5**	Waihanga tuhinga i te reo o tōna ao	6	Internal

LEVEL 2 TE REO MAORI
The Year 12 course will offer 4 of these Achievement Standards worth a total of 22 credits.

AS Number	Achievement Standard Title	Credits	Assessment Method
91284 **2.1**	Whakarongo kia mōhio ki te reo o te ao torotoro	4	Internal
91285 **2.2**	Kōrero kia whakamahi i te reo o te ao torotoro	6	Internal
91286 **2.3**	Pānui kia mōhio ki te reo o te ao torotoro	6	External
91287 **2.4**	Tuhi i te reo o te ao torotoro	6	External
91288 **2.5**	Waihanga tuhinga auaha, i te reo o te ao torotoro	6	Internal

LEVEL 3 TE REO MĀORI
The Year 13 course will offer four of these Achievement Standards worth a total of 24 credits.

AS Number	Achievement Standard Title	Credits	Assessment Method
91650 **3.1**	Whakarongo kia mōhio ki te reo o te ao whānui	4	Internal
91651 **3.2**	Kōrero kia whakamahi i te reo o te ao whānui	6	Internal
91652 **3.3**	Pānui kia mōhio ki te reo Māori o te ao whānui	6	External
91653 **3.4**	Tuhi i te reo Māori o te ao whānui	6	External
91654 **3.5**	Waihanga tuhinga whai take i te reo Māori o te ao whānui	6	Internal

Māori - Te Ao Māori Studies

H.O.D Mr. M. Solomon
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This qualification provides a pathway for students to develop capability and capacity to protect, maintain, and enrich mātauranga taonga tuku iho for whānau, hapū, iwi/community for future and current generations.

Contribution to community and cultural roles may include the following:

- support in preparing the whare and/or marae for hui, support kaiwaiata, and support in the marae kitchen and dining room;
- support the use of tikanga Māori amongst whānau and hapū in everyday settings.

Course Entry and Pre-requisite Requirements

Year 11 has taken Te Reo Māori in Year 9 or 10 with the HOD's discretion.
Year 12
Year 13 has taken Te Ao Māori Studies in at Year 11 or at Year 12 with HOD's discretion.

LEVEL 1 TE AO MĀORI
The Year 11 course will offer 4 Unit Standards worth a total of 19 credits.

US Number	Unit Standard Title	Credits	Assessment Method
30236	Demonstrate knowledge of taonga puoro in relation to the Māori origin of sound and ngā atua Māori	6	Internal
16160	Describe the characteristics and actions of a selected atua in accordance with ngā kōrero tuku iho	3	Internal
19535	Demonstrate knowledge of a native freshwater fish and a shellfish species and its significance to Māori	5	Internal
23005	Demonstrate knowledge of whakairo	5	Internal

LEVEL 2 TE AO MĀORI
The Year 12 course will offer 3 Unit Standards worth a total of 23 credits.

US Number	Unit Standard Title	Credits	Assessment Method
30242	Construct simple taonga puoro	8	Internal
23009	Identify and apply design elements in whakairo sketches, and identify specific techniques applied in whakairo	5	Internal
20949	Demonstrate knowledge of, and perform toroparawae	10	Internal

LEVEL 3 TE AO MĀORI
The Year 1 course will offer 3 Unit Standards worth a total of 15 credits.

US Number	Unit Standard Title	Credits	Assessment Method
30540	Plan, prepare, and produce a hāngi as part of a team, in accordance with tikanga and kawa	5	Internal
30246	Whakatangi taonga puoro	4	Internal
23013	Create whakairo	6	Internal

MATHEMATICS

H.O.D Mr. G. McFarland
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Course Entry Requirements
An achievement equivalent to the following or at the discretion of the HOD
Year 11 A Course An adequate standard in Year 10 Mathematics
Year 11 B Course No previous requirements
Year 12 A Course 4 passes in Level 1 including a merit pass in the St John's L1 Algebra test or the approval of the HOD.
Year 12 B Course: No previous requirements
Year 13 Maths with Calculus: Five passes in 12 MAT including a merit in 2.2, 2.7 and the St John's L2 Algebra test, or the approval of the HOD.
Year 13 Maths with Stats: Four passes in 12 MAT including 2.2, 2.11, 2.12 and the St John's l2 Algebra test or the approval of the HOD.
A Graphic Calculator is required for all Y12 and Y13 A Mathematics courses.

Year 11 Mathematics Two courses are available.

LEVEL 1A MATHEMATICS (11MAT)
This course will offer six achievement standards worth a total of 18 credits as shown below. Achievement Standards may be added or subtracted at the HODs discretion.

AS Number	Achievement Standard Title	Credits	Assessment Method
1.1	Apply numeric reasoning in solving problems	4	Internal
1.2	Apply algebraic procedures in solving problems		Unassessed
1.4	Apply linear algebra techniques (graphing)	3	Internal
1.5	Apply measurement in solving problems	3	External
1.6	Apply geometric reasoning in solving problems	4	Internal
1.12	Demonstrate understanding of chance and data	4	External

LEVEL 1B MATHEMATICS (11 MXB)
This course will suit any student who has struggled with Mathematics in the junior school. The course involves helping students gain confidence with their Mathematics so that they can pass the 10 basic numeracy standards that all students need to pass to gain NCEA Level 1. Additional credits are available for those who do well.

AS Number	Achievement Standard Title	Credits	Assessment Method
1.1	Apply numeric reasoning in solving problems	4	Internal
1.5	Apply measurement in solving problems	3	Internal
1.7	Apply right angled triangles in solving problems	3	Internal
1.9	Transformational geometry	2	External
1.10	Apply statistical methods to solve a problem	4	Internal

Year 12 Mathematics Two courses will be offered.

LEVEL 2A MATHEMATICS (12 MAT)

This course has the general aim of defining a level of mathematical understanding and a body of knowledge appropriate for pupils proceeding to tertiary level study. This course will offer the 5 Level 2 N.C.E.A. Achievement Standards below and be worth a total of 18 credits. Achievement Standards may be added or subtracted at the HODs discretion.

AS Number	Achievement Standard Title	Credits	Assessment Method
2.2	Apply graphical methods in solving problems	4	Internal
2.4	Apply trig relationships in solving problems	3	Internal
2.5	Use networks to solve problems	2	Internal
2.6	Apply algebraic methods in solving problems		Unassessed
2.7	Apply calculus methods in solving problems	5	External
2.12	Apply probability methods in solving problems	4	External

LEVEL 2B MATHEMATICS COURSE (12 MXB)

This course is suitable for Mathematics students who will struggle with the heavy algebra content of the 2A Mathematics course. The course includes practical Mathematics topics that past students have found relevant for careers in the trades, the armed forces and in office jobs. It also contains work involving Financial Capability topics.

AS Number	Achievement Standard Title	Credits	Assessment Method
2.2	Using Sequences and Series to solve problems	2	Internal
2.4	Trigonometry used in the Construction Industry	3	Internal
2.5	Networks used to find Shortest Routes (e.g. GPS navigation systems)	2	Internal
2.10	Conduct Experiments with Statistical Data	3	Internal
2.13	Investigate a situation involving a Simulation	2	Internal
28095	Produce a balance household Budget	3	Internal
24699	Make informed decisions regarding Income	3	Internal
	Robotics and Coding		Unassessed
	Tradies' Measurements		Unassessed
	Navigation Mathematics		Unassessed

Year 13 Mathematics Two courses will be offered.

LEVEL 3 MATHEMATICS WITH CALCULUS

This course suits any student wishing to advance to tertiary study in engineering, architecture, design and other careers. It is for highly motivated students with a proven ability in Mathematics at Level 2.

AS Number	Achievement Standard Title	Credits	Assessment Method
3.3	Apply Trigonometric methods in solving problems	4	Internal
3.5	Apply the Algebra of Complex Numbers in solving problems	5	External
3.6	Apply Differentiation methods in solving problems	6	External
3.7	Apply Integration methods in solving problems	6	External

LEVEL 3 MATHEMATICS WITH STATISTICS

This course suits any student wishing to advance to tertiary study in the health sciences, social sciences, business studies and other careers. It is for highly motivated students with a proven ability in Mathematics at Level 2.

AS Number	Achievement Standard Title	Credits	Assessment Method
3.2	Apply Linear Programming methods in solving problems	3	Internal
3.9	Investigate Times Series data	4	Internal
3.10	Investigate Bivariate Data	4	Internal
3.13	Apply Probability concepts in solving problems	4	External
3.14	Apply Probability Distributions in solving problems	4	External
3.15	Apply systems of Simultaneous Equations in solving problems	3	Internal

SCIENCE – Year 11

H.O.D Miss. K. Pickering
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Science is a systematic process of learning about how the universe works and what the universe is made of. Science relies on testing ideas with evidence gained from the natural world. Science helps you to shift facts from nonsense and improves your ability to understand today's issues, make informed decisions and asses the credibility, reliability and validity of what you see and hear. Today's careers increasingly require a strong foundation in science. Studying science opens doors not only in the fields such as forensics, medicine, pharmacology, engineering and architecture, but also into other fields such as commerce and administration, where the analytical and problem solving skills that science teaches are critical. Science prepares you for jobs that don't exist yet.

Level 1 Science
There are 2 possible courses in Level 1 Science.
All students must choose at least one course in Year 11.
All of the standards being offered are only drafts; they may be subject to change.

GENERAL SCIENCE A
This course offers a mixture of Chemistry, Physics and Biology. It is **designed to give students a basic understanding of all science areas with the possibility of specialising in Level 2**. It will comprise a selection of the following standards, with a minimum of 16 credits offered in total.

AS Number	Achievement Standard Title	Credits	Assessment Method
Science 1.1	Demonstrate an understanding of aspects of mechanics.	4	External
Physics 1.1	Carry out a practical investigation that leads to a linear mathematical relationship.	4	Internal
Chemistry 1.1	Carry out a practical chemistry investigation with direction	4	Internal
Science 1.5	Demonstrate an understanding of chemical ideas relating to acids and base.	4	External
Science 1.9	Demonstrate understanding of genetic variation	4	External

GENERAL SCIENCE B
This course offers a mixture of Chemistry, Physics and Biology. It is designed to give students a basic understanding of all science areas and is **designed for students not attending to continue with the sciences in Level 2**. It will comprise a selection of the following standards, with a minimum of 16 credits offered in total. It is mainly made up of internal assessments and one external.

AS Number	Achievement Standard Title	Credits	Assessment Method
Science 1.15	Demonstrate understanding of the effects of astronomical cycles on planet Earth.	4	Internal
Physics 1.1 or Chemistry 1.1	Carry out a practical investigation that leads to a linear mathematical relationship **or** Carry out a practical chemistry investigation with direction	4	Internal
Science 1.11	Investigate biological ideas relating to interactions between microorganisms and humans.	4	Internal
Science 1.9	Demonstrate understanding of the formation of surface features in New Zealand	4	Internal

SCIENCE - Biology

T.I.C. - Miss K. Pickering
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The study of Biology provides students with a way of understanding the processes of all living things. What students learn is directly relevant to their species and the environment. Biology reminds humans of their connectedness with and reliance on all other life forms.
Studying Biology in school will emphasise the significance of New Zealand's unique fauna and flora and distinctive ecosystems. Biologists will help provide solutions to help New Zealand agricultural and horticultural production maintain its place as a leader in breeding more efficient or productive plants and animals, as well as contribute to medical and biotechnological advances. New Zealanders also lead the way in ecological conservation research.

Course Entry Requirements:
Year 12 10 or more credits from a Year 11 Science course, including Science 1.9 plus Literacy and Numeracy credits.
Year 13 14 credits at Level 2 Biology including Achieved Grade in genetics, or at the discretion of H.O.D.

LEVEL 2 BIOLOGY
The course contains 4 (2 internals and 2 externals) out of the 6 achievement standards which are listed below

AS Number	Achievement Standard Title	Credits	Assessment Method
91153 **2.1**	Carry out a practical investigation in a biology context, with supervision	4	Internal
91156 **2.4**	Demonstrate understanding of life processes at the cellular level	4	External
91157 **2.5**	Demonstrate understanding of genetic variation and change	4	External
91158 **2.6**	Investigation a pattern in an ecological community	4	Internal
91155 **2.3**	Demonstrate understanding of adaptations of plants and animals to their way of life.	3	Internal
91159 **2.7**	Demonstrate understanding of gene expression	4	External

LEVEL 3 BIOLOGY
The course will be designed from several different achievement standards listed below.
The course will be designed for up to 15 credits with different achievement standards.

AS Number	Achievement Standard Title	Credits	Assessment Method
91603 **3.3**	Demonstrate understanding of the responses of plants and animals to their external environment	5	External
91604 **3.4**	Demonstrate understanding of how an animal maintains a stable internal environment.	3	Internal
91605 **3.5**	Demonstrate understanding of evolutionary processes leading to speciation.	4	External
91606 **3.6**	Demonstrate understanding of trends in human evolution.	4	External
91607 **3.7**	Demonstrate understanding of human manipulations of genetic transfer and its biological implications	3	Internal

SCIENCE – Chemistry

T.I.C.- Miss K. Pickering
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Chemistry provides explanations for the properties of materials and provides us with ways of transforming materials into new and useful substances. It helps us to understand the changes that we see occurring in the natural and physical world and allows us to make educated choices about consumer products.
Some chemists work in laboratories designing new materials used in products such as medicines, food and beverage flavourings, superconductors, and vaccines. However, studying chemistry provides a good training for a wide range of careers including, marketing and project managers, environmental scientists and forensic scientist. Employers value the key skills of numeracy, problem solving and communication that are an integral part of all chemistry courses.
Any student considering a Science based course at Tertiary level should study Chemistry at school.

Course Entry Requirements
Year 12 A minimum of 10 credits in an NCEA Level 1 Science Course, including Science 1.5 and a minimum of 12 achievement standard credits in NCEA Level 1 Mathematics.
Year 13 14 Credits in Level 2 Chemistry including 91164 AND 91166, or at discretion of H.O.D

LEVEL 2 CHEMISTRY
The Year 12 course is a complete course, suitable for those who will not continue in the subject, and for those who intend studying chemistry at Year 13 and beyond.

AS Number	Achievement Standard Title	Credits	Assessment Method
91167 **2.7**	Oxidation – Reduction Reactions	3	Internal
91164 **2.4**	Bonding, Structure and Energy Changes	5	External
91165 **2.5**	Organic Substances	4	External
91166 **2.6**	Chemical Reactivity	4	External

LEVEL 3 CHEMISTRY

AS Number	Achievement Standard Title	Credits	Assessment Method
91388 **3.2**	Understanding Spectroscopic data in Chemistry	3	Internal
91393 **3.7**	Describe oxidation-reduction processes	3	Internal
91390 **3.4**	Describe the properties of particles and thermochemical principals	5	External
91391 **3.5**	Describe the properties of organic compounds	5	External
91392 **3.6**	Describe aqueous solutions using equilibrium principles	5	External
91389 **3.3**	Demonstrate understanding of chemical processes in the world around us	3	Internal (Optional)

SCIENCE - Physics

T.I.C. - Mr. M. Pohlenz
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Physics lies at the heart of the natural sciences. Physics is an ideal starting point for science and engineering – almost any scientific problem can be approached using the ideas and methods of physics, which is why there are many "hybrid" disciplines such as astrophysics, biophysics, and geophysics.
The knowledge and processes used by physics have produced new and exciting technologies in use every day. Almost any piece of modern technology has its origins in physical principles such as mechanics, optics, electronics, thermodynamics, or nuclear physics. The problems studied in physics in finding out how nature works have excited Physicists with the thrills of explaining, seeing or doing something that no one has done before.

Course Entry Requirements:
Year 12 10 credits from any science including Science 1.1 and 12 credits from Level 1 Mathematics, or at discretion of H.O.D.
Year 13 12 credits in Level 2 Physics including 2.4 and 2.6.

LEVEL 2 PHYSICS
The Year 12 Course will consist of 5 achievement standards (23 credits)

AS Number	Achievement Standard Title	Credits	Assessment Method
91168 **2.1**	Carry out a practical physics investigation that leads to a non-linear mathematical relationship	4	Internal
91170 **2.3**	Demonstrate understanding of waves	4	External
91171 **2.4**	Demonstrate understanding of mechanics	6	External
91172 **2.5**	Demonstrate understanding of atoms and nuclear physics	3	Internal
91173 **2.6**	Demonstrate understanding of electricity and electromagnetism	6	External

LEVEL 3 PHYSICS
The Year 13 Course will consist of 5 achievement standards (24 credits)

AS Number	Achievement Standard Title	Credits	Assessment Method
91521 **3.1**	Carry out a practical investigation to test a physics theory relating two variables in a non-linear mathematical relationship	4	Internal
91523 **3.3**	Demonstrate understanding of wave systems	4	External
91524 **3.4**	Demonstrate understanding of mechanical systems	6	External
91525 **3.5**	Demonstrate understanding of modern physics	3	Internal
91526 **3.6**	Demonstrate understanding of electrical systems	6	External

PHYSICAL EDUCATION

H.O.D. Mr. J. Pearson
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Physical Education is recommended in many careers and tertiary studies, for example: Physiotherapy, Physical Education Teacher, Personal Trainer, Coach, Sports Administration, Nutritionist, Sport Development, Sports Psychology, Sports Science, Outdoor Education, Sports History, Referencing, Massage, Sports Analysis, Sports Media.

Physical Education will provide students with the knowledge, understanding and appreciation of the human body, as it relates to movement and performance. Students will gain an appreciation of the contribution that physical activity has to the development of healthy living. Students have the opportunity to experience and participate in a wide range of physical activities, in a variety of contexts. Students will also be able to develop their interpersonal skills in a variety of settings.

Course Entry Requirements:
Level 1 Entry approved on selection process based upon performance in Year 9/10 PE discretion of HOD PE & Deans.
Level 2: Physical Education
At least 12 credits in NCEA Level 1 or at the discretion of HOD Physical Education.
Level 3: 14 Credits NCEA Level 2 Physical
Education, or at the discretion of HOD Physical Education.

LEVEL 1 PHYSICAL EDUCATION
The Year 11 Physical Education course contributes **20 credits** towards the Level 1 National Certificate in Educational Achievement (NCEA) and is covered in Six Modules of work

AS Number	Achievement Standard Title	Credits	Assessment Method
90962	Participate actively in a variety of physical activities & explain factors that influence own participation	5	Internal
90963	Demonstrate understanding of the function of the body as it relates to the performance of physical activity	5	Internal
90964	Demonstrate quality movement in the performance of physical activity	3	Internal
90966	Demonstrate interpersonal skills in a group & explain how these skills impact on others	4	Internal
90967	Demonstrate strategies to improve the performance of a physical activity & describe the outcomes	3	Internal

LEVEL 2 PHYSICAL EDUCATION

The Year 12 Physical Education course contributes **24 credits** towards the Level 2 National Certificate in Educational Achievement (NCEA). Students will acquire knowledge that will be used in a variety of practical sessions. The course involves 40 per cent practical and 60 per cent theory.

AS Number	Achievement Standard Title	Credits	Assessment Method
91327	Examine the role & significance of physical activity in the lives of young people in New Zealand	3	Internal
91328	Demonstrate understanding of how & why biophysical principles relate to the learning of physical skills	5	Internal
91329	Demonstrate understanding of the application of biophysical principle to training for physical activity	4	Internal
91330	Perform physical activity in an applied setting	4	Internal
91331	Examine the significance for self, others & society of a sporting event, physical activity or festival	4	Internal
91332	Evaluate leadership strategies that contribute to the effective functioning of a group	4	Internal

LEVEL 3 PHYSICAL EDUCATION

Year 13 Physical Education course contributes **18 credits** towards the Level 3 National Certificate in Educational Achievement (NCEA). The course has a high element of practical application where students are expected to put the knowledge they have gained from NCEA 2 into practical situations.

AS Number	Achievement Standard Title	Credits	Assessment Method
91498 **3.1**	Evaluate physical activity and devise strategies for life long well being	4	Internal
91499 **3.2**	Analyse a physical skill performed by self or others	3	Internal
91500 **3.3**	Evaluate the effectiveness of a performance improvement programme	4	Internal
91501 **3.4**	Demonstrate quality performance of a physical activity in an applied setting	4	Internal
91504 **3.7**	Analyse issues in safety management for outdoor activity to devise safety managements strategies	3	Internal

SOCIAL SCIENCES - History

T.I.C. – Mr. D. O'Sullivan
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History invites ākonga to explore the past, present, and future through a variety of sources and perspectives. It nurtures the skills of inquiry and interpretation and encourages ākonga to think critically. As a research-led discipline, History supports ākonga to grow an informed understanding of the origins of our diverse society in Aotearoa. Central to this understanding is an awareness of the history of Te Tiriti o Waitangi and its principles, values, and ongoing relevance.

History prepares ākonga for the future because it equips them with knowledge and skills that are valuable and useful throughout life. These include the ability to conduct historical research; to articulate ideas and make them clear to others; to process and synthesise varied and complex materials; to engage with and deconstruct historical narratives; and to give clear and effective presentations across a variety of media. Ākonga learn to embrace rather than be discouraged by the uncertainties of the past and its various interpretations.

Career Pathways
History students are lucky that they can take the skills they learn and embark upon any possible career choice available. Employees in a wide range of careers, from the Business world through to the Scientific World accept History students as they are analytical, self-driven, independent thinkers who can be creative and critical, all widely desired skills in all future job hunting. So, it does not matter if you want to be a Criminologist, Surveyor, ICT, Engineer, Education or Lawyer, you will have a lot to offer any prospective employer.

LEVEL 1 - HISTORY
All Level One History standards count towards Literacy credits, both reading and writing.

Course Entry – Good literacy skills in reading and writing. Can work independently.

The following could be taught in 2023 and the understanding gained will be applied in the Achievement Standards throughout the year.

Topics studied could include:

- **Mana Motuhake** – We consider how Māori have protested for their rights following the signing of Te Tiriti o Waitangi. We consider the 1881 Invasion of Parihaka as an example of land alienation following the New Zealand Wars.
- **The Civil Rights Movement of the United States –** after considering the non-violent protest actions in New Zealand, we do a cross-country comparison and consider the calls for change that are made in the United States during the 1960s.
- **1,2,3,4 "We don't want your racist tour"** – in 1981, New Zealand was a divided nation over the prospect of the Springbok Rugby team visiting the country. We consider the issues before, during and after the tour.
- **Call me a Revolutionary** – we will study one of the Revolutions which rocked the global political landscape – American Revolution, Russian Revolution, French Revolution.

AS Number	Achievement Standard Title	Credits	Assessment Method
91001	Carry out an inquiry of a historical event	4	Internal
91002	Demonstrate knowledge about a historical event	4	Internal
91003	Interpret sources of an historical event	4	External
91004	Demonstrate understanding of perspectives	4	Internal
91005	Describe causes and consequences of an event	4	External

LEVEL 2 - HISTORY

Course entry – Completion of NCEA Level One History is desired but literacy skills obtained in English and/or Geography are suitable and complement skills required for historical study.

Topics studied could include:

- **Tino Rangatiratanga** – Sovereignty was one of the big discussion points at the signing of Te Tiriti o Waitangi in 1840. This topic examines the concept of Tino Rangatiratanga and consider how Māori have fought to protect it – special emphasis is given to the New Zealand Wars and how this impacted the Hawkes Bay.
- **Rise of Nazi Germany** – we examine European following the conclusion of World War One and consider the political ideologies that led to World War Two.
- **The Cold War World** - We will pick up the story following the conclusion of World War Two and look at the division of the world into a west and east sphere. The ideology of the 'Domino Theory' will be considered as we seek to understand how the Cold War shaped international relations for over 40 years.
- **Individual Research**

AS Number	Achievement Standard Title	Credits	Assessment Method
91229	Carry out a planned inquiry of a historical event.	4	Internal
91230	Examine an historical event.	5	Internal
91231	Examine sources of an historical events.	4	External
91232	Interpret different perspectives.	5	Internal
91233	Examine the causes and consequences of a significant historical event.	5	External

LEVEL 3 - HISTORY

Level Three History is excellent preparation for tertiary study. Skills taught in this course are transferrable academic skills. Students are taught to both find and read challenging texts before being asked to apply them in written text. The ability to write academic essays and applying correct referencing are develop throughout the year. All standards at Level Three are University Entrance approved.

Topics of study could include:

- **Champion of Colonisation OR Scapegoat: The Death of Captain Cook**: we study the three voyages of Captain James Cook and consider the long-term impact he has had on the region of the Pacific. Towards the end of his third journey, he faces an untimely and gruesome death in Hawai'i. We analyse the reasons behind his death.
- **19th Century New Zealand** – 19th Century New Zealand paves the way for the contemporary society that is before us today. There are 3 key elements in this period which will be studied – 1. Māori and Pakeha Race Relations, 2. Economic and Social Change, 3. Society and Attitudes.
- **Independent Historical Research** – at Level 3 Independent Research makes up a large proportion of the course and students can select historical narratives that are of interest to them.
- **Scholarship History** – theme is made available at end of previous academic year and will be intertwined throughout course.

AS Number	Achievement Standard Title	Credits	Assessment Method
91434	Carry out research of a historical event	5	Internal
91435	Analyse an historical event	5	Internal
91436	Analyse sources of an historical event	4	External
91437	Analyse different perspectives of an event	5	Internal
91438	Analyse causes and consequences of an event	6	External
91439	Analyse a historical trend	6	External

SOCIAL SCIENCE - GEOGRAPHY

H.O.D. Ms. C. Spence
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Geography is a chance to look at the world differently! Geographers study the natural environment (mountains, forests, coasts etc.) and the cultural environment (anywhere on earth affected by humans). We look at how these environments are created, modified and how people interact with them.

There are opportunities for fieldtrips in our local area as well as to other locations, such as Tongariro National Park, rivers in Hawkes Bay and Rotorua.

LEVEL 1 GEOGRAPHY

Course Highlights: Learning about how earthquakes occur, the local weather and climate of Hastings.

Other Notes: All standards apart from "Geographic Skills" count as Level 1 Literacy credits. Both the "Geographic Skills" and "Geographic Research" standards count for Level 1 Numeracy credits. Up to five Achievement Standards worth 18 credits may be offered.

AS Number	Achievement Standard Title	Credits	Assessment Method
91007	Extreme Natural Events	4	External
91008	Population Concepts	4	External
91010	Geographic Skills	4	External
91009	Sustainability	3	Internal
91011	Geographic Research	4	Internal
91012	Contemporary Geographic Issue	3	Internal
91013	Global Geographic Topic	3	Internal

LEVEL 2 GEOGRAPHY

Course Highlights: River processes in Hawkes Bay, freedom camping in New Zealand and the global aspects of Malaria.

Other Notes: All standards count as Level 1 Literacy credits. The "Geographic Research" standard counts for Level 1 Numeracy credits. Up to five Achievement Standards worth 19 credits may be offered.

AS Number	Achievement Standard Title	Credits	Assessment Method
91240	Large Natural Environment	4	External
91242	Issues in Development	4	External
91243	Geographic Skills	4	External
91241	Urban Patterns	3	Internal
91244	Geographic Research	5	Internal
91245	Contemporary Geographic Issue	3	Internal
91246	Global Geographic Topic	3	Internal

LEVEL 3 GEOGRAPHY

Course Highlights: Learning about tourism development in Rotorua, finding out about tropical coral reefs and studying an important contemporary event in New Zealand.

Other Notes: Geography is an approved subject for University Entrance. All standards count as Level 1 Literacy credits. The "Geographic Research" standard counts for Level 1 Numeracy credits. Up to five Achievement Standards worth 19 credits may be offered.

Number	Achievement Standard Title	Credits	Assessment Method
91426	Natural Processes	4	External
91427	Cultural Processes – tourism development in Rotorua	4	External
91429	Geographic Skills	4	External
91428	Contemporary Event	3	Internal
91430	Geographic Research	5	Internal
91431	Contemporary Geographic Issue	3	Internal
91432	Global Geographic Topic	3	Internal

H.O.D. Ms. C. Spence
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Tourism is a chance for students to learn about key aspects of the tourism industry in both New Zealand and overseas. It is an important vocational pathway in New Zealand especially if students are considering working in the tourism industry once they finish school.

There are opportunities for fieldtrips in our local area and to other locations, such as Rotorua.

LEVEL 2 TOURISM STUDIES

Level 2 Tourism involves students learning about aspects of tourism such as: tourism in New Zealand and overseas, the history of tourism, work roles in tourism and the effect of tourism on people and the environment.

Other notes: All standards are unit standards and involve internal assessments. There is no external examination component.

The standards taught will be chosen from the following list:

AS Number	Unit Standard Title	Credits
24728	Demonstrate knowledge of work roles in tourism	3
24729	Demonstrate knowledge of world tourist destinations	4
24730	Demonstrate knowledge of the business of tourism	4
24726	Describe and compare social and cultural impacts of tourism	2
24727	Describe and compare impacts of tourism on the physical environment	3
23767	Demonstrate knowledge of and use the Internet in a tourism workplace	2
18237	Perform calculations for a tourism workplace	3
24732	Demonstrate knowledge of tourist characteristics and needs	3
24731	Demonstrate knowledge of destination New Zealand	4
24724	Demonstrate knowledge of the history of tourism	4
23761	Read and comprehend documents in English for a tourism workplace	3

LEVEL 3 TOURISM STUDIES

Level 3 Tourism is a course that is ideally suited for students who have an interest in Tourism or Hospitality as a career pathway. Level 3 Tourism involves in-depth studies on Tourism in a range of places. These include New Zealand, Australia and the Pacific Islands.

Other notes: All standards are unit standards and involve internal assessments. Up to three standards worth 18 credits may be offered. There is no external examination component.

The standards taught will be chosen from the following list:

Number	Unit Standard Title	Credits
3727	Demonstrate knowledge of Pacific Island countries as visitor destinations	5
18211	Demonstrate knowledge of Australia as a visitor destination	5
18212	Demonstrate knowledge of New Zealand as a travel destination	8
18228	Demonstrate knowledge of specific New Zealand regions as tourist destinations	8

TECHNOLOGY – DVC (Design and Visual Communication), formerly Graphics and Design

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The course of DVC/Graphics and Design is designed to develop in students an ability to design and then express and communicate design ideas through drawing, sketching and other appropriate modes.

Studied activities in DVC/Graphics and Design introduce students to elements of a broad field of technology, and their relation to contemporary life, leisure pursuits and occupations in industry and professions.

Some of many areas that involve skills learnt in DVC/Graphics and Design include:
Architecture, Mechanical, Chemical, Aeronautical, Electronic and Civil Engineering, Draughting, Surveying, Industrial and Product Design, Computer Graphics, CAD, Photography, Kitchen Design, Digital Animation, Building Science, Multi-Media, Quantity Surveying, Furniture Designer, most trades eg. Carpentry, Engineering, Plumber, Sheet metal etc.

Course Entry Requirements:
Level 1 Must have taken in Year 10
Level 2 Must have achieved 10 Credits or better in Level 1 or at H.O.D's discretion.
Level 3 Must have achieved 12 credits or better in Level 2 or at HOD's discretion.

LEVEL 1 DVC (Design and Visual Communication), formerly Graphics and Design
DVC/Graphics and Design provides a range of varied activities in designing and graphic communication. An emphasis is placed on problem solving, innovation, technical competency and presentation.

AS Number	Achievement Standard Title	Credits	Assessment Method
91063 **1.30**	Produce freehand sketches that communicate design ideas	3	External
91064 **1.31**	Produce instrumental, multi-view orthographic drawings that communicate technical features of design ideas.	3	External
91065 **1.32**	Produce instrumental paraline drawings to communicate design ideas	3	External
91066 **1.33**	Use rendering techniques to communicate the form of design ideas	3	Internal
91067 **1.34**	Use the work of an influential designer to inform design ideas	3	Internal
91068 **1.35**	Undertake development of design ideas communicated through graphics practice	6	Internal
91069 **1.36**	Promote an organized body of design work to an audience using visual communication techniques	4	Internal

LEVEL 2 DVC (Design and Visual Communication), formerly Graphics and Design

The course is structured to enable students to extend their understanding and skills in designing to specified needs and graphic communication from conceptual ideas to evaluation and presentation. The course is structured around three areas:

- Graphic Communication
- Environmental and Spatial Design
- Technological and Product Design

AS Number	Achievement Standard Title	Credits	Assessment Method
91337 **2.30**	Communicate design ideas using visual communication techniques	3	External
91338 **2.31**	Use working drawings to communicate technical details of a design	4	External
91339 **2.32**	Produce instrumental perspective projection drawings to communicate design ideas	3	External
91340 **2.33**	Use the characteristics of a design movement or era to inform own design ideas	3	Internal
91341 **2.34**	Develop a spatial design through graphics practice	6	Internal
91342 **2.35**	Develop a product design through graphic practice	6	Internal

LEVEL 3 DVC (Design and Visual Communication), formerly Graphics and Design

The emphasis is on the solution of product and spatial design problems and the comprehensive and precise graphic communication of this information.

Students will show evidence of their ability to understand and successfully apply the design principles and processes to a variety of design situations. They will be expected to illustrate innovation and creativity together with an understanding and appreciation of the technological and environmental requirements in the process of developing, refining and testing suitable solutions. Candidates will be required to illustrate knowledge, skills and imagination in communicating conceptual ideas, detailed information and final solutions through a variety of forms of drawing and graphic presentation.

AS Number	Achievement Standard Title	Credits	Assessment Method
3.30	Initiate design ideas through exploration	4	External
3.31	Develop a visual presentation that exhibits a design outcome to an audience	6	Internal
3.32	Resolve a spatial design through graphics practice	6	Internal
3.33	Resolve a product design through graphic practice	6	Internal
3.34	Produce working drawings to communicate production details for a complex design	6	External

TECHNOLOGY – Digital Technology

T.I.C. – Ms. J. Gibson
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Digital Technology continues to grow as a subject at St John's College. The Microsoft Suite and computational thinking are emphasised at Year 9 to give students a good foundation of skills and knowledge to use for all their subjects at St John's College. At Year 10 students begin to learn coding through drag and drop software to transition them to programming in Python. Courses are a flexible to cater to students' abilities and interests. Students enjoy creating games in Python at NCEA level. Webpage development, Databases and Robotics, and filmmaking are all offered. The Adobe Creative Suite has now been installed on most of the PC's in the Digital Technology room which will now enable students to experience using professional software such as Photoshop, Illustrator and Final Cut Pro for their classwork and assignments.

11 DIGITAL TECHNOLOGY (11 DTT)

The Year 11 course offers 23 Achievement Standard credits. The course is flexible to cater to students' abilities and interests. Work includes a proposal for a game idea and then the creation of it in Scratch or Python. Databases and some Computer Science theory are also part of this course. Students with any range of abilities are welcome to join the class. Many students know they were meant to do this course, while others 'discover' that it is for them not long after they begin.

AS Number	Achievement Standard Title	Credits	Assessment Method
1.1	Develop a proposal for a digital outcome	3	Internal
1.3	Develop a digital outcome to manage data	4	Internal
1.7	Develop a computer program	4	Internal
1.8	Use basic iterative processes to develop a digital outcome	6	Internal
1.9	Demonstrate understanding of searching and sorting algorithms	3	Internal
1.11	Demonstrate understanding of compression coding for a chosen media	3	External
1.4	Undertake development to make a prototype to address a brief (Generic Technology)	6	Internal

Design, build and use Robotics

12 Computer Science (12 CPS)

The course involves work that continues with the topics taught in the Level One Digital Technology course, including Python programming and databases. It also includes an inquiry project and understanding of Computer Science concepts and programming robots.

AS Number	Achievement Standard Title	Credits	Assessment Method
2.1	Conduct an inquiry to propose a digital technologies outcome	6	Internal
2.3	Construct an advanced Database	4	Internal
2.7	Use advanced programming techniques to develop a computer program	6	Internal
2.8	Use advanced processes to develop a digital technologies outcome	6	Internal
2.9	Demonstrate understanding of a computer science concept	3	External

Design, build and use Robotics

12 Digital Design (12 DDS)

This course does not require students to have completed the Year 11 course. The course involves 16 credits from the Digital Technology and Generic Technology curriculums. The emphasis is on film making, web development and graphic design using the Adobe Creative Suite and other software.

AS Number	Achievement Standard Title	Credits	Assessment Method
2.3	Develop a conceptual design for an outcome (Generic Technology)	6	Internal
2.2	Apply conventions to develop a design for a digital technologies outcome	3	Internal
2.4	Use advanced techniques to develop a digital media outcome	4	Internal
2.10	Present a summary of developing a digital outcome	3	External

13 Computer Science (13 CPS)

This course will suit students who showed competence in 12 Digital Technology in the previous year. The course involves furthering knowledge of Microsoft Access databases, and computer programming with Python. It also includes a critical inquiry project and understanding of Computer Science concepts and programming robots. The course caters for those who wish to pursue a tertiary course in Digital Technology.

AS Number	Achievement Standard Title	Credits	Assessment Method
3.1	Conduct a critical inquiry to propose a digital technologies outcome	6	Internal
3.3	Construct a Complex Database	4	Internal
3.7	Develop a Complex Python program	6	Internal
3.8	Use Complex Iterative Processes	6	Internal
3.9	Evaluate a Digital Technology Concept	3	Internal
3.10	Present a reflective analysis of developing a digital outcome	3	External

Design, build and use Robotics

13 Digital Design (13 DDS)

The course builds on the 12DDS Course. It draws from three Technology subject areas to provide students the opportunity to create a range of products. The emphasis is on film making, web development and graphic design using the Adobe Creative Suite and other software.

AS Number	Achievement Standard Title	Credits	Assessment Method
3.3	Develop a conceptual design considering fitness for purpose in the broadest sense (Generic Technology)	6	Internal
3.2	Apply user experience methodologies to develop a design for a digital technologies outcome	3	Internal
3.4	Use complex techniques to develop a digital media outcome	4	Internal
3.22	Implement complex procedures to make a specified product using a Computer Numerical Controlled (CNC) machine (Construction and Mechanical Technologies)	4	Internal
3.10	Present a summary of developing a digital outcome	3	External

T.I.C. – Mr. C. Ireland
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LEVEL 1 CULINARY ARTS

Units towards the National Certificate in Hospitality (Introductory Cookery) (Level 2)

This course has been designed to develop your cookery skills. It creates a strong base for Year 12 and Year 13. It is a good foundation that will suit many career paths from becoming an apprentice chef or cook or to further education at polytechnics. It could even help you get a part time industry job, some of these units are level two industry based units and as such students must be involved with the Saints kitchen catering team, producing high quality catering for functions throughout the school, for paying guests, in a manner and style expected within industry.

The following Standards are being offered.

AS Number	Achievement Standard Title	Credits	Assessment Method
167	Practice food safety methods in a food business	4	
13275	Cook food items by steaming	2	
13278	Cook food items by roasting	2	
13280	Prepare fruit and vegetable cuts	2	
13281	Prepare & present basic sandwiches for service	2	
13283	Prepare and present salads for service	2	
13284	Clean food production areas and equipment	2	
13285	Handle & maintain knives in a commercial kitchen	2	

LEVEL 2 CULINARY ARTS

Units to finish off the National Certificate in Hospitality (Introductory Cookery) (Level 2)

This course has been designed to extend your level one skills. It creates a strong base for Year 13. It is a good foundation that will suit many career paths from becoming an apprentice chef or cook or to further education at polytechnics. It could even help you get a part time industry job, These units are level two industry based units and as such students must be involved with the Saints kitchen catering team, producing high quality catering for functions throughout the school, for paying guests, in a manner and style expected within industry.

The following Standards are being offered:

AS Number	Achievement Standard Title	Credits	Assessment Method
167	Practice food safety methods in a food business (Unit 167 is only required if the student did not do year 11 culinary arts)	4	
13271	Cook food items by frying	2	
13272	Cook food items by baking	2	
13273	Cook food items by boiling	2	
13274	Cook food items by poaching	2	
13276	Cook food items by grilling	2	
13277	Cook food items by braising and stewing	2	
13325	Prepare and bake basic cakes, sponges, and scones in a commercial kitchen	4	
13344	Demonstrate knowledge of the characteristics of commercial cookery methods and their applications	3	
20666	Demonstrate knowledge of contamination hazards and control methods in a food business	2	

Total Credits = 25 at level 2 or 21 credits if the student completed year 11 culinary arts.

LEVEL 3 CULINARY ARTS

Course Entry Requirements

Students must have obtained at least 20 credits at Level 2, or at the discretion of the HOD of Food Technology.

Course Outline

This course has been designed to extend the students level 2 skills and creates a strong base for many career paths from becoming an apprentice chef, or barista to further education at polytechnics. It could even help you get a part time industry job, helping you pay your way through university.

These are level 3 industry based units and as such students must be involved with the Saints kitchen catering team, producing high quality catering for functions throughout the school, for fee paying guests, in a manner and style expected within industry.

The following Standards are being offered.

AS Number	Achievement Standard Title	Credits	Assessment Method
168	Demonstrate knowledge of food contamination hazards & control methods used in a food business	4	
13314	Prepare and cook egg dishes in a commercial kitchen	4	
13316	Prepare and cook basic pasta dishes in a commercial kitchen	4	
17284	Demonstrate knowledge of coffee origins and production	3	
17288	Prepare & present espresso beverages for service	5	

TECHNOLOGY – Materials Technology

T.I.C. – Mr. S. Fiet
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Materials Technology is a Unit Standards course with units being chosen from industry related courses. Each year builds on the experiences gained from the previous year, so that students increase both their personal skills and acquire the ability to plan and take charge of projects. If Materials Technology were not taken as an option at year 10 then it would be more difficult to cope with the course at year 11.

The programme at Level 1 leads to the BCATS entry level certificate and at Level 2 the advanced. These certificates could assist in gaining entry to higher level courses or finding a job in a trade. We aim to equip the students with the abilities to do well, perseverance, tenacity, concentration, and practical skills. The projects attempted may change but all must be completed as per the specifications just like in the real world! Later in the year, there may be time for supplementary projects although there is an expectation that a plan and specifications are adhered to.

Each year's course has a fee for consumables used and costs for project materials. This information on approximate costs is available on request.

All students are expected to bring a laptop, to theory lessons, to utilise the online course and assessment material.

COURSE REQUIREMENTS
(Senior Programme)

Level 1 At the discretion of the HOD, advantageous to have taken at Year 10 level

Level 2 Must have obtained 15 credits in Year 11 Materials Technology, or at the discretion of the H.O.D.

Level 3 As per BCITO requirements, students must have taken Materials Technology at Year 12 (Level 2) or at Year 11 (Level 1)

LEVEL 1 – Materials Technology

US Number	Unit Standard Title	Credits	Assessment Method
24352	Demonstrate knowledge of and apply safe working practices	2	Internal Coursework
24355	Demonstrate knowledge of construction and manufacturing materials use	4	Internal Coursework
24356	Apply elementary workshop procedures and processes for BCATS projects	8	Practical Project
25919	Use hardware and fastenings for BCATS projects	2	Practical Project and Internal Coursework
25920	Use joints for BCATS project	3	Practical Project and Internal Coursework

With literacy and numeracy credits gain BCATS Entry Certificate

LEVEL 2 – Materials Technology

US Number	Unit Standard Title	Credits	Assessment Method
12932	Construct Timber garden furniture and items of basic construction equipment as a BCATS project	**8**	**Practical Project and Internal Coursework**
24354	Demonstrate knowledge of and applying safe working practise in a BCATS workplace	**4**	**Internal Coursework**
24357	Receive instructions and communicate information in relation to BCATS projects	**4**	**Internal Coursework**
12927	Identify select and maintain and use hand tools for BCATS projects	**6**	**Internal Coursework**

With Literacy Credits gain BCATS Advanced Certificate

LEVEL 3 – Materials Technology (BCATS)

US Number	Unit Standard Title	Credits	Assessment Method
29677	Follow safe workplace practices and contribute to a health and safety culture in a BCATS environment	**2**	**Internal Coursework**
29681	Measure and calculate for a Stage 3 BCATS project	**3**	**Internal Coursework**
29678	Demonstrate knowledge of, select and use materials for a Stage 3 BCATS project	**4**	**Internal Coursework**
29682	Select, use, and maintain tools, equipment, and machinery for a stage 3 BCATS project	**4**	**Internal Coursework**
29679	Develop and use BCATS project documentation for a Stage 3 BCATS project	**8**	**Internal Coursework**

A practical project is undertaken at Level 3 although it earns no credits. All the course credits are awarded for the project diary.

VALUES, ETHICS AND THEOLOGY

HOD: Mr. C. Bolton
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Religious Education in the Senior School is assessed using Achievement Standards. Programme themes include: History, Christianity, Theology and Human Experience.
The subject is an important part of the on-going holistic development of every student at our College and is **compulsory** for all students.
The Religious Education programme at St John's follows the official programme for Religious Education for Catholic Secondary Schools in Aotearoa/New Zealand, approved by the Catholic Bishops of New Zealand. It is entitled **UNDERSTANDING FAITH**.

LEVEL 1 RELIGIOUS EDUCATION

AS Number	Achievement Standard Title	Credits	Assessment Method
90816	Describe key feature of a sacred text	6	Internal
90817	Describe a significant aspect within the development of a religious tradition	6	Internal
90818	Describe key ethical principles of a religious tradition and how they are applied to an issue	6	Internal

LEVEL 2 RELIGIOUS EDUCATION

AS Number	Achievement Standard Title	Credits	Assessment Method
90821	Explain the changes in an expression of a religious tradition	6	Internal
90822	Examine an example of contemporary social action related to a religious tradition	6	Internal
90823	Explain the significance of a key belief within two religious traditions	6	Internal

LEVEL 3 RELIGIOUS EDUCATION

AS Number	Achievement Standard Title	Credits	Assessment Method
90825	Analyse a religious tradition(s) in Aotearoa New Zealand	6	Internal
90826	Examine the response of a religious tradition to a contemporary ethical issue	6	Internal
90827	Compare and contrast a religious tradition with a secular world view	6	Internal

Religious Education is a relevant subject especially if you are interested in any career that requires thinking, analysis, and people skilled employment. For university study, it leads well into studies in Philosophy, Ethics, Law, and World Religions. Philosophy, Ethics and Law cross over many disciplines including science, medicine, and commerce. Religious Education is accredited for University Entrance.

GATEWAY

T.I.C. - TBA

Coordinator: Mrs. B. Gardner
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Course Entry Requirements
Students must have 85% attendance or greater in 2022 or entry is at the discretion of the Gateway Co-ordinator and Teacher in Charge. Students must have a genuine interest in and be committed to gaining real world placement or apprenticeship-type experience.

Course Outline
The Gateway programme is two fold. Unit standards are achieved in the classroom throughout the year, with work placement or on-job experience booked during term 2 and 3, one day a week, within each student's chosen industry.

Additionally, industry related unit standards may be offered to further support student's vocational pathway options. These unit standards are on-line, self-paced modules, that are supported by work placement days in the student's related industry.

Gateway also provides an opportunity to strengthen networks in our local community and build skills targeted to enhance employment opportunities for our young men.

Unit Standards offered in the classroom

Unit number	Title	Level	Credits
First Aid (Outside Provider)			
6400	Comprehensive first aid	3	2
6401	Provide first aid	2	1
6402	Provide basic life support	1	1
Health and Safety (Outside Provider)			
30265	Apply health and safety risk assessment to a job role	3	8
22316	Identify the causes of back injuries and methods to prevent back injuries on the workplace	3	4
19522	Undertake job safety analysis	3	3
Gateway Teacher			
4251	Plan a career pathway	3	3
1980	Dealing with employment relationships	3	3
1296	Interview in informal situations	3	3
1304	Communicate with people from other cultures	3	2

Placements have involved the following industries:

Automotive Engineering	Hospitality
Building and Construction	Hairdressing
Plumbing	Property Management
Electrical	Farming
Transport	Retail
Education	Security
Farming and Agriculture	Sport and Recreation

Industry related unit standards have been provided through:

MITO (Automotive)	BCITO (Building)
Primary ITO (Farming)	HITO (Hairdressing)
SIT (Property Management and Sport and Rec)	MQS (Māori Performing Arts)

MITO and BCITO courses will be led by outside providers and study supervised at school in the Gateway line.p