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The New Zealand Curriculum at St John's College.

Saint John's actively encourages our students to become confident, connected, actively involved lifelong learners.

The principles of education at our college mirror those of the New Zealand curriculum and include the Marist Charisms upon which our school was founded.

These are;

High expectations: At this college we encourage the **love of work** and strive for personal excellence in everything that we do.

Treaty Waitangi: With the Charism of family **spirit** we seek to actively involve Maori and the principles of the treaty in our school.

Cultural diversity: Saint John's has a diverse and rich cultural tapestry which enhances our **family spirit**.

Inclusion: **In the way of Mary** our institution seeks to work with our stakeholders to incorporate all their needs and identities in order to achieve positive experiences for all of the students at Saint John's.

Learning to learn: Self reflection and the use of **simplicity** in our educational pedagogy allows Saint John's to reinforce and encourage self reliance in learning.

Community engagement: The staff at St John's encourage the connections that our school has with the community and the **family spirit** that enhances.

Coherence: The subjects we offer at Saint John's are designed to encourage a **love of work** and to allow students to achieve their goals both with their future education.

Future focus: Through our **presence** in the world and with each other we leave a footprint that others will follow and we work to ensure that the principles of sustainability and citizenship are encouraged.

Key Competencies

In all the subjects and year levels that our young men participate we ensure that the key competencies are being developed.

These are:

1. **Thinking**, especially higher level and creative thinking
2. **Using language and texts** in each particular curriculum learning area
3. **Managing self** including setting goal and achieving them.
4. **Relating to others** including groups within the class, the school and the wider community
5. **Participating and contributing to society** including the class, school, wider community and the global context.

These are developed over time and built upon so that our young men leave with necessary skills to truly engage and participate in the world that awaits them.

DISCLAIMER:

Courses offered are subject to viability in terms of Staff and minimum numbers of learners.

The standards on offers for each course may differ from those listed in the booklet depending on changes in Staffing and/or NZQA requirement and standards assessed.

To find out more go to www.stjohns-hamilton.school.nz

WHO TO SEE FOR MORE INFORMATION

LEARNING AREA	SUBJECTS	TEACHER
Religious Education	Religious Education	Mrs M Curran
Language	English ESOL Maori Japanese Media Studies	Mr D Hetet Mr D Stark Ms M Veituna Ms J George Mr D Hetet/Ms D Lyons
Mathematics	Mathematics	Mr W Tennent
Science	Physics Biology Chemistry Horticulture Science	Mr J Bull Mrs Fraser-Ball Mr S Wood Mr J Gee Mrs S Fairweather
Technology	Technology-ASTs Technology-USTs Graphics Food Technology Hospitality Computer Studies Electronics Building and Construction	Mr S Andrew Mr P Hutchinson Mr P Hutchinson Mrs L Myburgh Mr W McNamara Mr D Whyte Mr D Whyte Mr P Hutchinson
Arts	Art Music Drama	Ms F Greenwood Mr G Parr Ms J Wheeler
Social Science	Geography Social Studies History Economics Accounting Tourism	Mr N Austin Mr N Austin Mr M Young/Mr P Tennant Mr S Healy Mr K Frewen Mr N Austin/Mr S Cullen-Wright
Health/Physical	Physical Education Health	Mr J Robinson Mr J Robinson
Options Placement		Mrs M Curran
Careers Gateway Academy Guidance Counsellor		Mr M Christophersen/Mrs M Veituna Mr P Vincent Mr P Berry Mr B Sparrow/Mrs C Morris

GUIDE TO SUBJECTS AND LEARNING AREAS

NCEA stands for National Certificate of Educational Achievement

	Year 9	Year 10	Year 11	Year 12	Year 13
QUALIFICATION			<i>*Achievement Standards</i> <i>** Unit Standards</i>	<i>*Achievement Standards</i> <i>** Unit Standards</i>	<i>*Achievement Standards</i> <i>** Unit Standards</i>
RELIGIOUS EDUCATION	Religious Education	Religious Education	Religious Education*	Religious Education*	Religious Education*
LANGUAGES	English	English	English*	English*	English* / **
					Media* Studies
	Te Reo	Te Reo	Te Reo*	Te Reo*	Te Reo*
	Japanese	Japanese	Japanese*	Japanese*	Japanese*
	ESOL	ESOL	ESOL**	ESOL**	ESOL**
				Drama*	
MATHEMATICS	Maths	Maths	Mathematics* advanced	Mathematics* advanced	Calculus*
			Mathematics* Internal Assess	Mathematics* Internal Assess	Statistics* Mathematics** Internal Assess
SCIENCE	Science	Science	Science*	Science*	
				Biology*	Biology*
				Chemistry*	Chemistry*
				Physics*	Physics*
		Horticulture	Horticulture*	Ag/Horticulture*/ **	Ag/Horticulture*/ **
				Science*	Electronics**
SOCIAL SCIENCES	Social Studies	Social Studies			
			History*	History*	History*
			Geography*	Geography*	Geography*/**
		Economics	Economics*	Economics*	Economics*
				Tourism**	Tourism**
					Classical Studies*
			Accounting*	Accounting*	Accounting*
TECHNOLOGY	Technology	Technology	Technology*	Technology*	Technology*
			Building Technology**	Building Technology**	Technology**
	Graphics	Graphics	Graphics*	Graphics*	Graphics*
	Food Technology	Food Technology	Food Technology**	Hospitality**	
	Computer Studies			Computer Technology*	Computer Technology*
					L2 Electronics**
ARTS	Art	Art	Art*	Art*	Painting* Photography* Design*
	Music	Music	Music*	Music*	Music*
		Drama	Drama*		
HEALTH & PHYSICAL WELLBEING	Physical Education	Physical Education	Physical Education*	Physical Education*/**	Physical Education*
	Health	Health			

SUBJECT OPTIONS GUIDE YEAR 10, 11, 12, 13 2012

GUIDELINES AND UPDATES:

Entry to Year 11 Policy:

All Year 10 students going to Year 11 in 2012 will enter a full NCEA Level 1 programme.

*Further information is available for parents/caregivers and students at **all year levels** at this evening on:*

***Tuesday 30th August, 7pm 2011
Marcellin Champagnat Centre / Gymnasium***

If parents wish to discuss any particular problems at a time other than this evening, they should make an appointment with the Form Teacher, Dean, Curriculum Coordinator, Careers Advisor, the Guidance Counsellor, or any other appropriate member of staff from whom they wish to seek advice.

YEAR 10, 11, 12, 13 SELECTION OF SUBJECTS

Year 10 students for 2012:

- Students are advised to select the subjects they wish to study next year. English, Mathematics, Science, Religious Education, Physical Education and Health are compulsory.
- Students must choose two other subjects

Year 11 students for 2012:

- Students are advised to select the subjects they wish to study next year. English, Mathematics, Science, Religious Education, Physical Education and Health are compulsory.
- Students must choose two other subjects

Year 12 students for 2012

- Students must choose **Religious Education and English** and four other subjects

Year 13 students for 2012

- Students must choose **Religious Education** and five other subjects

Deadlines for 2012

- **Option Booklets for 2012** will be distributed on **24th August, 2011**
- **Options Evening** for parents and students **30th August, 2011**
- **Student Option Sheets** need to be returned to school **12th September, 2011**

Requirements for NCEA Certificates

Level 1 – 80 credits at any level, including literacy and numeracy requirements *
Level 2 – 80 credits – a minimum of 60 of them at Level 2 or above
Level 3 – 80 credits – a minimum of 60 of them at level 3 or above & 20 credits from Level 2 or above

- **Ask your teacher to explain the literacy Numeracy requirements**

Recognising high achievement

NCEA can be 'endorsed' to reflect high achievement in a significant number of Standards. There are two types of endorsement: Certificate Endorsement and Course Endorsement.

Certificate Endorsement: If you gain 50 credits at Excellence your NCEA will be endorsed with Excellence. If you gain 50 credits at Merit (or a mix of Merit and Excellence) your NCEA will be endorsed with Merit.

Course Endorsement: If in a single year you gain 14 or more credits at Merit and/or Excellence for a Course, you will gain endorsement in that course. At least three credits must be from externally assessed Standards in that course and three credits from externally assessed Standards in that course (Note that this condition does not apply to Physical Education, Religious Studies, or Level 3 Visual Arts).

It is really worth striving to get Merit or Excellence grades to get this extra recognition of your abilities.

Employers and tertiary institutions now consider how well you have achieved rather than just the number of credits.

University Entrance

To qualify for entrance to a New Zealand University and some other tertiary institutions using NCEA you will need at least:

- Credit requirements – 42 credits at **Level 3 or higher**, made up of:
 - 14 credits in one approved subject
 - 14 credits in another approved subject
 - 14 credits from one or two additional domains or approved subjects
- Literacy requirements – 8 credits in English or Te Reo Maori at **Level 2 or higher** made up of:
 - 4 credits in reading
 - 4 credits in writing
- Numeracy requirements – 14 credits in Numeracy made up of:
 - 14 credits in Mathematics or Statistics and Probability or Pangarau

The list of approved subjects and Standards is on the NZQA website.

University Entrance	Level 3 or higher 42 credits		
	14 credits in one approved subject	14 credits in another approved subject	14 credits from one or two additional domains or approved subjects
	Level 2 or higher		
	8 credits in English or Te Reo Maori (inc 4 reading, 4 writing)		
	Level 1 or higher		
	14 credits in Mathematics or Statistics and probability or Pangarau		

University Entrance is the minimum requirement for entry to University. Many Universities and other tertiary course providers in New Zealand have specific course requirements. Merit and Excellence grades may give you a greater chance of getting into your chosen course. You may need to achieve particular Level 3 Standards as an entry requirement for some tertiary courses. You should check what Standards you will need with the University or Polytechnic where you intend to study

New Zealand Scholarship

New Zealand Scholarship is externally assessed but it is not a qualification. It is designed to extend the very best students and to provide monetary awards to help with tertiary study.

Scholarship candidates are expected to demonstrate high-level critical thinking, abstraction and generalisation, and to integrate, synthesise and apply knowledge, skills, understanding and ideas to complex situations. The exams or portfolios cover the same knowledge, skills and concepts as Level 3 Achievement Standards, but the standard of performance is much higher.

In 2009, 2065 students gained a Scholarship award from the almost 9000 who sat the examinations.

Students receive payments ranging from \$500 (for a single subject scholarship) to \$30,000, paid over three years for a Premier Award (8 were awarded in 2009)

If you think you have the ability to sit Scholarship you should discuss the requirements with your teachers.

2014 Requirements

New UE requirements from 2014	Current UE requirements
Achievement of NCEA Level 3	42 credits at Level 3 or above
14 credits in each of three subjects from the list of approved subjects	14 credits in each of two subjects from the list of approved subjects
	14 credits from not more than two additional domains or approved subjects
UE numeracy – 10 credits at level 1 or above from specified achievement standards or three specific numeracy unit standards	UE numeracy – 14 credits at level 1 or above from Mathematics, Statistics and Probability, and Pāngarau
UE literacy – 10 credits (five in reading and five in writing) from <ul style="list-style-type: none"> • specific level 2 and above achievement standards, or specific Te Reo Māori and Te Reo Rangatira level 2 and above standards, or • two specific level 4 English for academic purposes unit standards, or • an academic literacy common assessment tool (CAT) at level 3 (no credit value, run by NZQA). 	UE literacy – 8 credits (four reading and four writing from a specific list of standards) at level 2 or above from English or Te Reo Māori

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Approved subjects for University Entrance

Applicants to New Zealand universities require credits in approved subjects.

Approved Subject	Field/ Sub-field/ Domain/ Standards
Accounting	Domain Accounting - Generic
Agriculture & Horticulture	Domain Agricultural & Horticultural Science
Biology	Domain Biology
Chemistry	Domain Chemistry
Classical Studies	Domain Classical Studies
Computing	Domain Generic Computing US18741 and US18749
Design (Practical Art)	AS90515, AS90516, AS90517 US9072, US9073
Drama	Sub-field Drama
Economics	Domain Economics
English	Sub-field English
Geography	Domain Geography
Graphics	Sub-field Design
Health Education	Domain Health Education
History	Domain History
History of Art	Domain Art History
Japanese	Domain Japanese
Mathematics with Calculus	Domain Trigonometry Domain Geometry Domain Calculus AS90638, AS90639 US5267, US11102, US12344
Statistics and Modelling	Sub-field Statistics and Probability AS90644, AS90647 US5256, US5264, US5262, US5272
Media Studies	Domain Media Studies
Music Studies	Domains Music Studies or Making Music
Painting (Practical Art)	AS90659, AS90663, AS90667 US9066, US9067
Photography (Practical Art)	AS90660, AS90664, AS90668 US9064, US9065
Physical Education	Domain Physical Education
Physics	Domain Physics
Printmaking (Practical Art)	AS90661, AS90665, AS90669 US9069, US9068
Science	Domain Core Science Domain Earth Science
Sculpture (Practical Art)	AS90662, AS90666, AS90670 US9070, US9071
Social Studies	Domain Social Studies
Technology	Domain Technology - General Education
Te Reo Rangatira or Te Reo Maori	Sub-field Reo Maori

SENIOR CAREERS

Academy Course

Year 12 & 13

This course is designed for students who are in their last year at St. John's and who are beginning to look seriously at Training and Employment opportunities. Students will spend three days in school (Mon, Tues, and Wed) in a unit standard course developing job search skills, exploring career options, developing job application skills and material, and beginning some of the pre-trade units in a chosen career. Two days (Thurs and Fri) students will spend on work experience through the Gateway programme.

Credits Offered	Up to 45 credits
Entry Criteria	Student and Family interview with Course organiser. Work Experience organised.
Level of Study	Predominantly Level 2 and above.
Cost	Nil
University Approved	No

To find out more go to www.stjohns-hamilton.school.nz

RELIGIOUS EDUCATION FACULTY

Religious Education

Year 13

What will I study?

The national programme for Religious Education "Understanding Faith" as promoted by the Catholic Bishops of New Zealand is taught. It is a five-year programme which includes: Scripture, Church Doctrine, Sacraments, Social Teaching and Church History.

Assessment

There are two Achievement Standards offered.

	Title	Credits	Mode
AS 90825	Sects, Cults, and New Religions	6	Internal
AS 90827	Finding Meaning in Today's World	6	Internal
		12	Total

Prerequisite: Nil

Costs: Nil

FINE ARTS FACULTY

Painting, Design, & Photography

Year 13

What will I study?

Painting, Design, and Photography, are offered as separate Level 3 subjects. Students are advised to select no more than two of these subjects. Methodical study during the year focusing on generating ideas, analysing, clarifying and regenerating ideas, will lead to an in-depth exploration and extension into the making of original artworks. Students are expected to be able to work independently, and with guidance from teaching staff.

In Painting, Design and Photography, all students undertake three achievement standards: 3.1, 3.2 and 3.3.

Assessment:

AS.	Title of Achievement Standard	Credits	Assessment
3.1	Demonstrate informed analysis of methods and ideas from established painting, design and photography practice.	4	Internal
3.2	Use drawing to demonstrate understanding of conventions appropriate to painting, photography, design.	4	Internal
3.3	Systematically develop ideas using drawing informed by established design, painting and photography practice.	4	Internal
3.4	Produce a systematic body of work that integrates conventions and regenerate ideas within design, painting and photography practice.	14	External
3.5	Produce a resolved work that demonstrates purposeful use of skills appropriate to cultural conventions	4	Internal

Prerequisites: NCEA Level 2 Visual Art. No prerequisites for Photography but previous Art experience would be beneficial.

Costs:

Photography: A digital SLR camera
The student will pay for his own photographic digital printing.

Painting/Design: \$60 to cover materials used during the year.

All subjects: An A3 visual diary is required for each Yr 13 Art subject. These can be purchased through the school for \$10 each.

LANGUAGES FACULTY

English

Year 13

The Year 13 English programme consists of three levels and is dependent on the level of achievement in Year 12.

Students need to take note of the entry criteria or **pre-requisites** for each level.

NCEA Level 3 English Achievement Standards

This course is only for those students who have fulfilled the entry criteria below.

What will I Study?

This is a full Level Three Achievement Standards course. The literature component of the course involves study of one play by Shakespeare, a novel and film of good, critical reputation. The language aspect is covered by research and a seminar presentation.

Assessment

AS	Title	Credit	Assessment
90720	Produce an extended piece of writing in a selected style	4	Internal
90721	Respond critically to written text(s) studied	3	External
90722	Respond critically to Shakespearean drama studied	3	External
90723	Respond critically to oral or visual text studied	3	External
90725	Construct and deliver an oral presentation	4	Internal
90726	Complete independent research on a language or literature topic and present findings in written form	4	Internal
		21	Total

Pre-requisites: Level 2 Literacy: **4 Reading credits (Achievement Standards only)**
4 Writing credits (Achievement Standards only)

NCEA Level 3 English Unit Standards/Achievement Standards

This course is for those students who have failed to achieve Level 2 Literacy in either Level 2 English Achievement Standards or Level 2 English Unit Standards.

The course programme and content will include Standards to enable students to achieve Level 2 Literacy. This course is completely internal and is comprised of both Level 3 Achievement Standards and Unit Standards.

AS/US	Title	Credit	Assessment
90720	Produce an extended piece of writing in a selected style	4	Internal
90726	Complete independent research on a language or literature topic and present findings in written form	4	Internal
12428	Read closely and evaluate the effectiveness of transactional written text	4	Internal
8835	Produce sustained transactional writing in a range of complex forms	6	Internal
12431	Read closely and evaluate the effectiveness of moving images	3	Internal
12432	Read closely and evaluate the effectiveness of static images	3	Internal

What Will I Study?

The Unit Standards in this course are all internally assessed. Students will focus on improving their knowledge of academic words essential for success at the senior level as well as developing their listening, speaking, reading and writing skills.

Assessment:

Unit Standards			
Code	Title	Level	Credits
17360 v3	Participate in conversations, using ESOL	2	5
17144 v3	Write information texts, using ESOL	3	5
17370 v3	Write expressing a viewpoint, using ESOL	3	5
17359 v3	Talk about self in a formal interview, using ESOL	3	5
17363 v3	Read independently information texts, using ESOL	3	5
		Total	25

Pre-requisite: At least 9 credits at NCEA Level 2

What will I study?

Year 13 Te Reo Māori is assessed against five Achievement Standards.

The course will include several topics that focus on all the skills to be assessed. Students will develop their listening, reading, writing and speaking skills in Te Reo Māori. Written language comprehension will develop, and students will extend their research skills.

Assessment:

AS	Title	Credits	Assessment
3.1	Whakarongo	4	internal
3.2	Kōrero	6	internal
3.3	Pānui	6	external
3.4	Tuhituhi	4	external
3.5	Hanga Tuhinga	4	internal
		24	Total

Prerequisites: NCEA L2, at least 12 credits

Japanese	Year 13
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What will I Study?

This course is a continuation of the course of study offered at Years 11 and 12. Students entering this course may progress to Scholarship if desired. Skill sets covered are: Effective communication; Expertise in language learning; Appreciation of another culture and another way of thinking.

Assessment:

AS	Title	Credits	Internal/External
3.1	Listen to and understand complex spoken Japanese in less familiar contexts	6	External
3.2	Give a prepared speech in Japanese using complex language	3	Internal
3.3	Converse in Japanese using complex language in less familiar contexts	3	Internal
3.4	Read and understand written Japanese, containing complex language, in less familiar contexts	6	External
3.5	Write text in Japanese using complex language on a less familiar topic	3	External
3.6	Write crafted text in Japanese, using complex language, with the support of resources	3	Internal
		24	Total

Pre-requisites: Year 12 Japanese or equivalent

Costs: Students may be requested to buy an NCEA workbook (negotiable)

Media Studies Achievement Standards	Year 13
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This course is only for those students who have fulfilled the entry criteria below.

What will I Study?

This is a full Level Three Achievement Standards course. This course involves understanding the role Media plays in our society. Students will look at how meaning is created, embark on documentary production and investigate the agencies and ownership within the media industry.

Assessment

LEVEL THREE MEDIA STUDIES PROGRAMME			
Number	Description	Credits	Assessment
3.1 90599	Demonstrate understanding of a specific media industry.	4	External
3.2 90600	Explain how meaning is created in media text.	4	Internal
3.3 90779	Investigate and aspect of media and explain its significance for New Zealand.	4	Internal
3.4 90602	Explain the relationship between a media genre and society	2	External
3.6 90604	Complete and justify a concept and treatment for a media product	2	Internal
3.8 90606	Create a media product using appropriate media technology.	6	Internal
		24	Total

Pre-requisite: Level 2 Achievement English and/or Level 2 Media

MATHEMATICS FACULTY

Mathematics with Calculus (MAC)

Year 13

What will I study?

Mathematics with Calculus centres on further development of calculus and its application.

Assessment:

AS	Title	Assessment	Credits
3.1	Differential Calculus	6	external;
3.2	Integral Calculus	6	external;
3.3	Solve trigonometric problems and equations	4	internal
3.4	Manipulate real and complex numbers. Solve equations	5	external;
3.5	Conic Sections	3	external;
		24	Total

Prerequisites:

Minimum of an achievement in all of the following achievement standards:

2.1 Algebra, 2.2 Non linear graphs, 2.3 Calculus and 2.9 Trigonometric equations.

Cost

Each student will need to have a Casio fx-9750G plus graphics calculator.

Mathematics Workbook \$20

Mathematics with Statistics (MAS)

Year 13

What will I study?

Mathematics with Statistics centres around the further development of statistics, with supporting material in algebra, computational mathematics and simple ideas of modelling. The emphasis is on practical and numerical work.

Assessment:

AS	Title	Assessment	Credits
3.1	Determine trends in time series.	3	internal
3.2	Calculate confidence intervals.	3	external
3.3	Solve probability problems	4	external
3.4	Solving equations.	4	external
3.5	Do a statistical investigation with bi-variate data.	3	internal
3.6	Use probability distribution models	4	external
3.7	Modelling problems involving curve fitting.	3	internal
		24	Total

Prerequisites:

Students should have a minimum of an achieved in the following level two achievement standards: 2.1 Algebra, 2.2 Non linear graphs, 2.5 Select a sample and make inferences, 2.6 Simulate probability situations.

Cost

A Casio fx-9750G plus graphics calculator and a Mathematics Workbook \$20.

What will I study ?

This course will consist of the internally assessed standards studied in the year 13 mathematics with calculus course and the mathematics with statistics course plus two level three unit standards.

Assessment

Standard	Title	Credits	Int/Ext
90641	Determine trends in time series.	3	internal
90645	Do a statistical investigation with bi-variate data.	3	internal
90647	Modelling problems involving curve fitting.	3	internal
90637	Solve trigonometric problems and equations	4	internal
5262	Use linear systems to solve problems	2	internal
5264	Use numerical methods to solve problems	3	internal
	Total	18	

Prerequisites:

To be eligible for this course students must have gained a minimum of 8 credits at level 2 mathematics.

Cost

Each student **must** have a Casio fx-9750G plus graphics calculator. The student must present one of these calculators on entering the course and can usually be purchased for approximately \$90

What will I study?

This is the most senior Music course and caters for a number of outcomes including; preparation for further Music education at University and Polytechnic, accrual of Standards and credits towards University Entrance, solely for successful completion of Level 3 NCEA, or merely to enjoy your final year at high school with a view to maximising your personal music experience.

The Music Standards listed below are those that St John's College Music Department is best placed to assist with mentoring, tutoring and leading students through Year 13, NCEA Level 3. The course is divided into three subcategories: Making Music, Music Studies, and Music Technology.

Students will negotiate with the Head of Music to design their own course comprising a combination of Standards according to their personal and educational needs.

<u>12MUS COURSE</u>				
Standard	Course No.	Title	Credits	Assessment
AS 90499	Music Studies 3.4	Research and present a music topic	6	Internal
AS 90526	Making Music 3.1	Present a performance of music as a member of a group	4	Internal
AS 90527	Music Studies 3.6	Arrange Music	4	Internal
AS 90775	Making Music 3.6	Present a portfolio of music composition	8	Internal
AS 90776	Making Music 3.7	Prepare and present performances of music as a featured soloist	8	Internal
US 16551	Making Music	Performance of extended pieces on a second instrument	8	Internal
US 16553	Making Music	Make a significant contribution to a music performance ensemble	10	Internal
US23730	Music Technology	Operate digital music and editing applications, and use music notation software	8	Internal

Prerequisites:

It is strongly recommended students will negotiate and select Standards for which they have successfully completed Level two equivalents or shown a propensity towards.

Costs :

There is no curriculum cost for this course. Please read **Cost of Music Ed** below.

HEALTH & PHYSICAL WELL BEING FACULTY**Physical Education****Year 13****What will I study, what skills will I learn?**

This course of study follows Levels 1 and 2 Achievement Standards, using and examining in greater depth the skills acquired previously. There is a strong emphasis on students gaining the skills to take responsibility for the health, fitness and motor skill needs of themselves and others. This involves planning and implementing programmes and critically evaluating their success.

Assessment:

Students will be assessed through the following internal standards.

AS	Title	Credits	Assessment
3.1	Apply knowledge to plan a physical activity programme or experience	3	Internal
3.2	Explain the effectiveness of a physical activity and its influence on hauora and well-being	3	Internal
3.3	Appraise performance and review a programme for performance improvement for self or others	5	Internal
3.4	Perform a physical activity to nationally developed performance standards	4	Internal
3.5	Examine a current physical activity event or trend or issue, impacting on New Zealand society	4	Internal
3.6	Examine physical activity and take action to influence the participation of others	5	Internal
Total		24	

Prerequisites:

- Eleven credits in NCEA level 2 Physical Education
- Achievement Standards 90433 (movement analysis) and 90434 (method and principals of training).
- If a student has an interest in sport and a satisfactory level of achievement in Science and English, an exception may be made after consultation with the HOD.

Estimated Costs:	Senior PE Polo shirt	\$40 approx
	Workbook	\$20
	Golf Tuition/ Prodrive	\$90
	Golf Pre-test	\$15
	Golf assessment round	\$15

SCIENCE FACULTY

Biology

Year 13

What will I study?

This course is recommended for those wishing to study First Year Health Science for entry into Medicine, Dentistry, Pharmacy or Physiotherapy and for other relevant Science Degrees. Genetics and Biotechnology studied provide students a glimpse into the cutting edge of modern technology such as Gene Therapy, Cloning and Transgenic Organisms and the latest theories in Evolution are discussed. Plant Responses and Animal Behaviour are also covered in detail.

Assessment:

AS	Title	Credits	Mode
90713	A practical investigation into the ecological niche of an organism	3	Internal
90714	Research a contemporary biological issue	4	Internal
90715	Concepts and processes relating to gene expression	3	External
90716	Plant responses and animal behaviour in relation to biotic and abiotic environmental factors	4	External
90717	Patterns of evolution	4	External
90718	Applications of biotechnological techniques to meet human needs	3	Internal
90719	Trends in human biological and cultural evolution	3	External
		24	Total

N.B. All Achievement Standards Subject to NZQA change.

Prerequisites: Adequate Level 2 Biology passes, especially Biology 2.3 (or HOD permission)

Approximate Costs: \$60 for field trips

Additional Costs:

Workbooks \$40
Course notes \$10

Chemistry**Year 13****What will I study?**

A course in Atomic Structure and Bonding, Qualitative Chemistry, Principles of Physical and Quantitative Chemistry, Oxidation and Reduction and Organic Substances. A background in chemistry is essential to pursue many traditional careers including medicine, engineering, pharmacy, dentistry, geologist wine-maker etc.

Assessment:

AS	Title	Credits	Mode
90695	Determine the concentration of an oxidant or reductant by titration	2	Internal
90696	Describe oxidation-reduction processes	3	External
90780	Describe properties of particles and thermochemical principles	3	External
90698	Describe the properties of organic compounds containing selected functional groups	4	External
90700	Describe aqueous solutions using equilibrium principles	5	External
		17	Total

N.B. All Achievement Standards Subject to NZQA change.

Prerequisites: Adequate Level 2 Chemistry passes (or HOD permission).

Approximate Cost: \$40

Additional Costs: Course notes \$10

Physics**Year 13****What will I study?**

This course leads on from Year 12 Physics and although the topics are similar, the content is extended considerably. Year 13 Physics also requires greater proficiency in mathematics as this is the tool that Physicists use to describe the physical world. Regular practical work is required and this is assessed in achievement standard 3.1 (90774)

Assessment:

AS	Title	Credits	Mode
90774	Carry out a practical Physics Investigation with guidance, that leads to a mathematical relationship	5	Internal
90520	Demonstrate an understanding of wave systems	4	External
90521	Demonstrate an understanding of mechanical systems	6	External
90522	Demonstrate an understanding of atoms, photons and nuclei	3	External
90523	Demonstrate an understanding of electrical systems	6	External
		24	Total

N.B. All Achievement Standards Subject to NZQA change.

Prerequisites: Appropriate Level 2 Physics passes (or HOD permission).

Approximate Cost: Course manual \$25

Course notes \$10

What will I study?

This course is recommended for those students interested in a horticultural trade based course of study at a polytechnic institute or simply for those students wanting to study a subject with a practical outdoor component. Knowledge in plant processes, lifecycles and identification with regards to amenity (landscaping) plants in New Zealand will be the main focus. Knowledge in soil properties is also an important component of the year. Both regular theory and practical work (maintaining a productive vegetable garden) is required throughout the year in this subject.

Assessment:

	Title	Credits	Mode
US 24648	Identify trees, shrubs and climbers used in amenity horticulture	10	Internal
US 22178	Demonstrate knowledge of plant processes and plant life cycle	5	Internal
US 22175	Demonstrate knowledge of Soil Properties and their effect on Plant Growth	10	Internal
		25	Total

N.B. All Achievement Standards Subject to NZQA change.

Prerequisites: Appropriate Level 2 Credits (or HOD permission)

Costs: \$20 for consumables (seeds, fertilizer etc...)

SOCIAL SCIENCES FACULTY

Accounting

Year 13

What will I study?

1. The Conceptual Basis of Accounting
2. Processing
3. Accounting Reports
4. Prepare a report which analyses and interprets a company's financial report.
5. Decision Making

Assessment:

AS	Achievement Standard Title	Credits	Assessment Method
3.1 90500	Describe and apply the conceptual basis of accounting in context	4	External
3.2 90501	Process financial information for partnerships and companies	3	External
3.3 90502	Process financial information for a manufacturing job – cost subsystem	3	External
3.4 90503	Report financial information for partnerships and companies	6	External
3.5 90504	Prepare a report which analyses and interprets a company's financial report for external users	5	Internal
3.6 90505	Explain and prepare information for management decision making	3	External
		24	Total

Prerequisites: By consultation with the HOD. Study of Level 1 and 2 is an advantage.

Costs: \$35 for Workbooks and Study Packages

Classical Studies**Year 13****What will I study?**

1. Alexander the Great: his military achievements, relations with the Greeks and Macedonians and his belief in his own divinity.
2. Roman Art: a study of major architecture, sculpture and paintings.
3. Virgil's "Aeneid", Rome's mission and the role of Augustus.
4. Roman Religion: the ancient Roman gods, the Eastern mystery religions and the attitude of the Romans to Christianity in the Roman Empire.

Assessment

There will be internal examinations and tests during the year for course completion.

AS	Title	Credits	Assessment
3.1	Explain passage(s) from a work of classical literature in translation	6	External
3.2	Explain works of classical art in their social/historical and artistic context.	6	External
3.3	Explain in essay format an aspect of the classical world	6	External
3.4	Complete independent research in an area of the classical world	6	Internal
		24	Total

Prerequisites

- A high standard in NCEA Level 2 English and/or History is *essential* as well as the ability to write well in essays.
- Pupils who take this course **must** be prepared to do a great deal of reading.

Costs \$25 for any Study Guides and Workbooks if required

Economics**Year 13****What will I study?**

- A. Behaviour of Firms
- B. Allocative Efficiency and Market Responses to Change
- C. Government Intervention in the Market
- D. Aggregate Economic Activity

Assessment:

AS	Title	Credits	Assessment
3.1 (90629)	Understand marginal analysis and behaviour of firms.	5	External
3.2 (90630)	Describe an economic problem, allocative efficiency, and market responses to change	4	External
3.3 (90631)	Describe market failure and government interventions to correct for market failure	4	External
3.4 (90632)	Describe aggregate economic activity	6	External
3.5 (90778)	Collect and process information, and carry out an economic analysis	5	Internal
		24	Total

Prerequisite: 14 credits in NCEA Level 2 Economics or at the discretion of TIC.

Costs: \$50 for Workbooks and Study Guides

What will I Study

Students will develop an advanced understanding of the interaction that exists between people and the environment through the use of geographic skills. Specific areas explored are; Natural Processes (Beach processes at Waihi) a Cultural Process (Tourism at Rotorua and The Gold Coast), plus a research investigation of a Planning and Decision Making issue (self selected and specific), a Contemporary Issue and a Global Study. There will also be an opportunity for students to gain Unit Standard credits for the same External exams.

Assessment

AS	Title	Credits	Assessment Mode
90701 3.1	Analyse a geographic environment, focusing on the interacting natural processes	4	External
90702 3.2	Analyse a cultural process	4	External
90703 3.3	Analyse the role of geography in decision-making.	3	Internal
90704 3.4	Select and apply skills and ideas in a geographic context.	4	External
90705 3.5	Carry out geographic research with consultation	3	Internal
90706 3.6	Analyse a contemporary geographic issue and evaluate courses of action.	3	Internal
90707 3.7	Analyse geographic topic at a global scale.	3	Internal
		24	Total

Prerequisite: Level 2 Geography, or by negotiation with the Head of Faculty

Costs: Approximately \$130 for Workbooks and Field Trips

What will I study?

England 1558 –1667: Early modern England, its society and the economy.

- Issues of government and the decisions they made

Special Studies: - two selected from Hollywood and History, a campaign of World War II, the French Revolution and the Nuremberg War Trials, or other topics as determined.

Assessment:

There will be internal examinations and tests during the year for course completion.

AS	Title	Credits	Assessment
3.1	Plan and carry out independent historical research	5	Internal
3.2	Communicate historical ideas and understandings	4	Internal
3.3	Analyse and evaluate evidence in historical sources	5	External
3.4	Examine a significant decision made by people in history, in an essay.	5	External
3.5	Examine a significant issue in the context of change, in an essay.	5	External
		24	Total

Prerequisites: NCEA Level 2 English and/or History are *essential*, especially in essay writing. Pupils **must** be prepared to do a lot of reading

Costs \$35 for workbooks/Study Guides if required

Tourism	Year 13
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What will I study ?

Tourism is one of the world’s largest industries and is increasingly important for the New Zealand economy. The course has three settings – New Zealand, Pacific Islands and Australia. Detailed research is done on each of these destinations for the Unit Standard assessments at Level 3.

This is the second year for the National Certificate in Tourism (Introductory Skills) which requires 54 credits over the two years of study.

How will it be Assessed ?

Unit Standard	Title	Credits
24724 (Level 2)	The History of Tourism	4
24731	Promote New Zealand as a Tourist Destination	4
3727	The Pacific Islands as a Tourist Destination	
	Australia as a Tourist Destination	8
18211	TOTAL	8
		24

Pre requisites : Preference will be given for students who have studied Tourism at Year 12 – others by negotiation with the Head of Faculty.

Costs \$100 for Field Trips

Materials Technology: Unit Standards	Year 13
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What will I study?

The emphasis of this course will be based on practical workshop skills.

Credits will be gained from a combination Technology, Engineering and Building Industry Unit Standards.

Under the guidance of staff students will further develop their understanding and skills of workshop practice and knowledge in the making of their practical projects.

How will it be assessed? Internal Assessment

There are no exams for this course.

Where does it lead:

Students achieving Technology Unit standards will have the opportunity to gain entry into polytechnic courses at above entry level, be sought after by all branches the Engineering and Building and Construction industries.

Pre-requisites: None.

Approximate Cost : \$20.00 per term.

Product Technology: Achievement Standards**Year 13****What will I study?**

Students' work is directed around a client based issue.

Students learn to work with clients on authentic issues.

They apply the practices of Technologists to solve every day problems.

Students are involved in a mentoring program that has direct links with industry leaders in our community.

Assessment:

AS	Title	Credits	Assessment
AS 90620	Develop a one-off solution to address a client issue in Technology	8	Internal
AS 90613	Develop a conceptual design to address a clients issue	8	Internal
AS 90687	Demonstrate techniques in Materials Technology	4	Internal
AS 90686	Explain knowledge that underpins a Materials Technology	4	External
		20	Total

Prerequisites: 12 Level Two NCEA Technology credits or by negotiation with Head of Faculty

Approximate Cost: \$20.00 per term

Graphics**Year 13****What will I study**

The emphasis of this course is on the individual solution of product and system design problems covering areas such as Architectural and Environmental, Engineering and Technology, Media and Technical illustrations.

External		Credits	
AS 90734	Develop a design solution to a negotiated brief using specialised Graphics knowledge.	5	
AS 90735	Present a design solution using specialised Graphics knowledge that communicates design ideas.	4	
Internal			
AS 90736	Develop and present a solution to an Architectural or Environmental design brief.	5	
AS 90738	Develop and present a solution to a media or technical illustration brief.	5	
	Total	19	

Prerequisites: 12 Level two NCEA Graphics credits or by negotiation with Head of Faculty.

Approximate Cost: \$15.00 Photocopying.

TECHNOLOGY FACULTY**Information Technology: Achievement Standards****Year 13****What will I study?**

Students will seek to develop a solution to a real-life problem, using skills and tools available through Information Technology. They will do this by applying the Technological Process to the problem.

Assessment:

AS	Title	Credits	Assessment
AS 90620	Develop a one-off solution to address a client issue	8	Internal
AS 90613	Develop a conceptual design to address a clients issue	8	Internal
AS 90684	Explain knowledge that underpins an Information and Communication Technology outcome	4	External
AS 90685	Demonstrate Techniques in Information and Communication Technology	4	Internal
		24	Total

Prerequisites: 12 Level Two credits or by negotiation with Head of Department

Approximate Cost: \$15.00 per term

Term Dates 2012

Term 1	31 st January 2012	5 th April 2012
Term 2	23 rd April 2012	29 th June 2012
Term 3	16 th July 2012	28 th September, 2012
Term 4	15 th October, 2012	14 th December, 2012

Courses offered are subject to viability in terms of Staff and minimum numbers of learners.

The standards on offers for each course may differ from those listed in the booklet depending on changes in Staffing and/or NZQA requirement and standards assessed.

To find out more go to www.stjohns-hamilton.school.nz

OPTIONS SHEET: YEAR 13 for 2012

NAME: _____

Vertical Form: _____

Please tick the most appropriate box below:

Tick One:

- Either:** I am definitely returning to St John's College in 2012
Or: I am probably returning to St John's College in 2012
Or: I am definitely **not** returning to St John's College in 2012

1. RE is **compulsory**.
2. Choose **FIVE** options from the list below. (It is one list so you may choose **ANY** five subjects.) Please **rank** the five options in order of preference.
3. Choose an Alternative Option in case one of the five preferred options does not fit in to your timetable.
4. The school will endeavour to place students in their choices.

13 Accounting	13 English I	13 Maths I
13 Agriculture & Horticulture	13 ESOL	13 Media Studies
13 Art – Design	13 Geography	13 Music
13 Art – Painting	13 Graphics	13 Photography
13 Biology	13 History	13 Physical Education
13 Chemistry	13 Information Technology	13 Physics
13 Classics	13 Japanese	13 Product Technology
13 Economics	13 Materials Technology U	13 Te Reo Maori
13 Electronics	13 Maths with Calculus	13 Tourism
13 English E	13 Maths with Statistics	

If you choose a Year 12 subject make that clear below.

12 Accounting	12 English I	12 Mathematics E
12 Agriculture and Horticulture	12 ESOL	12 Mathematics I
12 Art (Design, Painting and Photography)	12 Geography	12 Media Studies
12 Biology	12 Graphics	12 Music
12 Building & Construction U	12 History	12 Physical Education
12 Chemistry	12 Hospitality	12 Physical Education Alt.
12 Drama	12 Information Technology	12 Physics
12 Economics	12 Japanese	12 Science E/I
12 English E	12 Materials Technology	12 Te Reo Maori
		12 Tourism

Note: E means the course contains some externally assessed standards; I means the course contains only internally assessed standards, U means Unit Standards.

I choose the following options:

- 1st Option:** _____
2nd Option: _____
3rd Option: _____
4th Option: _____
5th Option: _____
Alternate Option: _____

Please return this form to your form teacher by Monday, 12 September

Student's Signature _____