

SACRED HEART COLLEGE



YEAR 10 SUBJECTS 2018

INFORMATION BOOKLET

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SUBJECTS FOR YEAR 10 IN 2018

Students will have been supplied with an Option sheet as well as this information booklet.

Every attempt will be made to meet student preferences, but there can be no guarantee that every student will be able to study a course of his first preference subjects.

It should be noted that for all students in Year 10 in 2018, the following subjects are **compulsory**:

- **RELIGIOUS EDUCATION**
- **ENGLISH ****
- **MATHEMATICS ****
- **PHYSICAL EDUCATION & HEALTH**
- **SCIENCE ****
- **SOCIAL STUDIES**

***Some students will be selected to study one or more of these subjects at Level 1 (in other words they will be accelerated). Information regarding the make-up of these courses is found in the Senior Course booklet, which is available from the School website.*

In their preliminary Option Choice, students are asked to choose a total of **THREE** other Option subjects and **ONE** Option as a back-up Option in case of a clash or there are more students than can be catered for (Technology subjects).

Students are only permitted to choose a maximum of 2 Technology subjects.

Students may choose from the following group of subjects:

NOTE: *There are limitations on the Technology subjects marked with an '*'. Please refer to the Option sheet.*

- **ART**
- **CHINESE (Mandarin)**
- **COMMERCE**
- **DESIGN & VISUAL COMMUNICATION ***
- **DRAMA**
- **FOOD TECHNOLOGY ***
- **GLOBAL STUDIES**
- **DIGITAL TECHNOLOGY (ICT) ***
- **MATERIALS TECHNOLOGY ***
- **MUSIC**
- **MUSIC INSTITUTE (if selected)**
- **SPANISH**
- **VISUAL LITERACY**
- **TE REO MAORI**
- **SPORTS INSTITUTE (if selected)**

A brief outline of the nature and content of these subjects is provided on the following pages.

RELIGIOUS EDUCATION

Year 9 students have followed the Religious Education Programme as set out in the National Religious Education Syllabus, as determined by the New Zealand Catholic Bishop Conference, 2010. It is designed to give students a better knowledge, understanding and appreciation of the Catholic tradition with the aim of enhancing and developing their personal faith.

In Year 10 the topics include:

- **Journey Stories / Discovering Our Identities**
- **Meaning and Significance of Eucharist**
- **The Church's Story – The Middle-Ages (800-1500 A.D.)**
- **Sinfulness and Reconciliation**
- **Creation and Co-Creation / Sexuality**
- **Expressions of Catholic Life**

There may be an opportunity for some classes to complete National Achievement Standards. All Classes will also be prepared for a class celebration of Eucharist and Reconciliation. Copies of the Year 10 programme, in greater detail, are available from the Director of Special Character.

ART

Who does Art?

From Year 10 to Year 13 students work with the Art disciplines of **Drawing, Painting, Sculpture, Design**, using the elements of colour, line, space, shape, texture, volume and mass. Through practical activities and art experiences, they gain an understanding of the methods and processes including the making of art works and design. A use of varied materials and tools extends critical ability, foresight, discipline and independence. Students at Year 10 also have a chance to start gaining credits for Level 1 NCEA.

Where does this Course lead?

Level 3 Art offers 3 separate subjects at Sacred Heart College, Painting, Photography and Design. A student may select one or two subjects. The Tertiary Institutes offer both Diploma and Degree courses in Art with foundation courses being offered to students from Year 12 level.

Auckland Institute of Technology, Manukau and Unitec have numerous Degree courses available in Graphic Design, Computer Graphics, Film Making, Textile Design, Fashion Design, Sign-writing, Jewelry Design, Screen-printing, Drawing, Painting, Photography Elam, Ilam, Otago and Wellington Polytechnic also offer Art degrees. All courses including Architecture require a portfolio of Art works and understanding of the Art process.

COMMERCIAL STUDIES

This subject includes units of Accounting, Economics and Enterprise Studies.

ACCOUNTING

Topics include:

- Income and Savings
- Budgeting and Personal Cash Records
- The Accounting Equation
- Financial Statements

ECONOMICS

Topics include:

- Personal means
- Scarcity
- Choice
- Opportunity cost
- Exchange
- Money
- Consumer Demand

BUSINESS STUDIES

Topics include:

- The various skills, personal qualities and attitudes of being a business person; this includes investigating an entrepreneur.
- Operating a small enterprise in a group (with other students in the class).

Commerce will provide students with an insight into the world of consumers, business and personal finance.

Any person who wants to study Commerce, be self-employed, or manage a business, should take Year 10 Commerce and then continue with either Economics, Accounting or Business Studies in Year 11.

At Years 11-13 a student may take **one or two** of Accounting or Economics or Business Studies. Whilst it is preferred that a student enrolling in Year 11 has taken Year 10 Commerce, a motivated student with average or better capabilities may begin at the higher level.

Similarly a student may begin Year 12 Economics or Business Studies without having studied Economics or Business Studies before. It is not, however, recommended that a student begins Year 12 or Year 13 Accounting in the same way, as the student will require the knowledge and understanding gained in previous years.

Where does this Course lead?

These subjects lead to courses at University or Technical Institutes or are just beneficial to anyone wanting to understand the economy, improve their personal financial well-being or those who want to know more about running their own business.

ENGLISH

English in Year 10 continues with and builds on the course begun in Year 9; it has the following components:

Written Language:

- Exploring language-word functions, syntax, and writing conventions
- Personal reading
- Reading a range of texts such as novels, short stories, poetry, and drama scripts
- Creative and formal writing
- Language skills and comprehension

Visual Language:

- Understanding the visual language used to communicate ideas
- Film studies

Oral Language:

- Speaking

NCEA – LEVEL 1

All Year 10 students will complete NCEA Level 1 Achievement Standard 90857 – ‘Deliver a Speech in a Formal Situation’. They will also complete a portfolio of Formal Writing for Achievement Standard 90053.

The credits for these Standards will be banked and uploaded when the students are in Year 11.

YEAR 11 ENX

Some Year 10 students will be invited to be part of the Advanced English Course. These students will complete a full NCEA Level 1 English Course; the details of this course are contained in the Senior Course Book, available on the website:

<http://www.sacredheart.school.nz/shc/curriculum-info/>

YEAR 10 DRAMA

Drama offers students a wide variety of learning experiences, from the academic study of texts, through to devising and writing of their own original work, and the performing of it. The nature of a Drama classroom means that students will develop their skills, not only in understanding texts and how they are created, but also their ability to communicate and work with others in groups. The Year 10 course will concentrate on the Elements and Conventions used to create stories and perform them to different audiences. Assessment will be made through a combination of written work, performance, and class work including the ability to work individually and in group settings.

VISUAL LITERACY

This course is an option that provides a sound base for Media Studies and the visual aspects of the Senior English courses. It concentrates on the visible language aspects of the English curriculum. The course requires that students have excellent literacy skills, as they will often have to communicate their understanding through extended written work. Students will learn about how visual and verbal elements are combined to communicate ideas in:

Films, television, advertisements, animated films.

AND

Newspapers, magazines, comic strips, advertisements in print and computer media.

Students will complete the following Standards:

- Achievement Standard AS90855
'Create a Visual Text.'
- Achievement Standard AS90989
'Demonstrate understanding of how individuals interact with the media.'

ENGLISH LANGUAGE LEARNER DEPARTMENT – (ELL)

Students who do not have English as their first language and who need extra assistance with their English are eligible to take this course. This course is a combination of the mainstream English and Religious Education programme, but with a focus on the language needed to successfully understand the content.

The four modes of **Speaking, Listening, Reading and Writing** are developed through the study of novels, short stories, films and biographies. These texts are examined through the Religious Education themes of Journey Stories, Inspirational People and contemporary New Zealand. The skills required for NCEA Level 1 English will be integrated into the course throughout the year. Functional grammar, writing conventions and text structure are covered in the context of each topic.

LANGUAGES

CHINESE – (Mandarin)

The course consists of 4 student workbooks which will be issued at the beginning of each term. Both Language and Cultural aspects of China will be studied. The course is designed so students maximize their learning, using a range of interactive teaching techniques. The emphasis for students is to develop further, by the end of the course, their:

- **Listening**
- **Speaking**
- **Reading**
- **Writing skills**

SPANISH

The aim of this course is to give the students the skills and confidence to communicate in Spanish in real-life situations.

Four core topics will be studied throughout the year, covering:

- **Speaking**
- **Listening**
- **Reading**
- **Writing skills**

As well as studying the language, cultural aspects of Spain/Latin America will be covered.

TE REO MĀORI

This course is a progression from the Year 9 Māori Language programme. Students will further their skills and understanding in Te Reo by:

- **Speaking**
- **Reading**
- **Writing**
- **Listening**

Students will also learn about, and further develop their awareness of, the life and culture of Māori. Communication skills are emphasized and students develop further the ability to speak and write about topics of interest. Students gain a wide vocabulary and range of structures suitable for everyday communication. Awareness and sensitivity to cultural issues is also developed.

Year 10 will be working within Level 3 and 4 of the new Curriculum Guidelines for Teaching and Learning Te Reo Maori in English-medium Schools. The emphasis in this course is on the six Nga Ara Reo (language modes); Whakarongo (listening), Panui (reading), Matakītaki (viewing), Korero (speaking), Tuhituhi (writing) and Whakaatu (presenting).

Assessment

Internal assessment includes tests in the four essential skills (listening, speaking, reading and writing), which usually occur after each unit of work. There are two internal written examinations.

SUBJECTS

LEARNING AREA	YEAR 9	YEAR 10
RELIGIOUS EDUCATION	Religious Education	Religious Education
HEALTH and PHYSICAL WELLBEING	Health Physical Education	Health Physical Education
SCIENCE	Science	Science
TECHNOLOGY	Technology (Introductory Programme)	Food Technology Materials Technology Digital Technology (ICT) <ul style="list-style-type: none"> • Computational Thinking • Producing Digital Outcomes Design & Visual Communication
NUMERACY	Mathematics	Mathematics
COMMERCE		Commercial Studies
SOCIAL SCIENCES	Social Studies	Social Studies Global Studies
LANGUAGES	Spanish Te Reo Māori Chinese (Mandarin)	Spanish Te Reo Māori Chinese (Mandarin)
ENGLISH	English English for Language Learners (ELL)	English Supplementary English Visual Literacy Drama English for Language Learners (ELL)
ARTS	Music Art	Music Art

IN 2018

YEAR 11	YEAR 12	YEAR 13
Religious Education	Religious Education	Religious Education
Transition Physical Education	Transition Physical Education	Transition Physical Education
General Science 11SCI Applied Science 11ASC Advanced Science 11SC3	General Science Biology Chemistry Physics	General Science Biology Chemistry Physics
Digital Tech – Computer Science Digital Tech – Digital Media Carpentry Hospitality & Catering Mechanical Technology Design & Visual Communication	Digital Tech – Computer Science Digital Tech – Digital Media Carpentry Hospitality & Catering Design & Visual Communication	Digital Tech – Computer Science Digital Tech – Digital Media Carpentry Hospitality & Catering Design & Visual Communication
Mathematics 11 MAT Mathematics 11MA2 Mathematics for Numeracy 11MA3	Mathematics 12MAC Mathematics 12MAT	Calculus 13MAC Statistics 13MAS General Mathematics 13MAT Scholarship 13MAX
Economics Accounting Business Studies	Economics Accounting Business Studies	Economics Accounting
History Geography	History Geography Travel and Tourism	History Geography Travel and Tourism
Spanish Te Reo Māori Chinese (Mandarin)	Spanish Te Reo Rangatira Chinese (Mandarin)	Spanish (2019) Te Reo Rangatira Chinese (Mandarin)
English Thematic Studies in English Thematic Studies in English(ELL) Drama	English Thematic Studies in English Media Studies Classical Studies Thematic Studies in English(ELL) Drama	English Thematic Studies in English Media Studies Classical Studies Thematic Studies in English(ELL) Scholarship
Music Visual Art	Music Visual Art - Design - Painting - Photography	Music Visual Art - Design - Painting - Photography

LIFE SKILLS - (HEALTH)

Life Skills is a compulsory programme for all Year 10 students.

It is the New Zealand Health Curriculum.

The programme is designed to enhance students' self-esteem and confidence in an ever changing world, in order to prepare them for the challenges and situations that they as young people will face throughout their adolescent years.

Topics in Year 10 include:

- **Digital Safety**
- **Mental health**
- **Communication skills**
- **Group dynamics**
- **Friendships**
- **Decision making**
- **Drug education**
- **Anger management**
- **And a Careers unit**

MATHEMATICS AND STATISTICS

Mathematics is the exploration and use of patterns and relationships in quantities, space and time. Statistics is the exploration and use of patterns and relationships in data. These two disciplines are related, but different ways of thinking and of solving problems. Both disciplines equip students with effective means for investigating, interpreting, explaining, and making sense of the world in which they live.

By studying mathematics and statistics, students develop the ability to think creatively, critically, strategically and logically. They learn to structure and to organise, to carry out procedures flexibly and accurately, to process and communicate information, and to enjoy intellectual challenge.

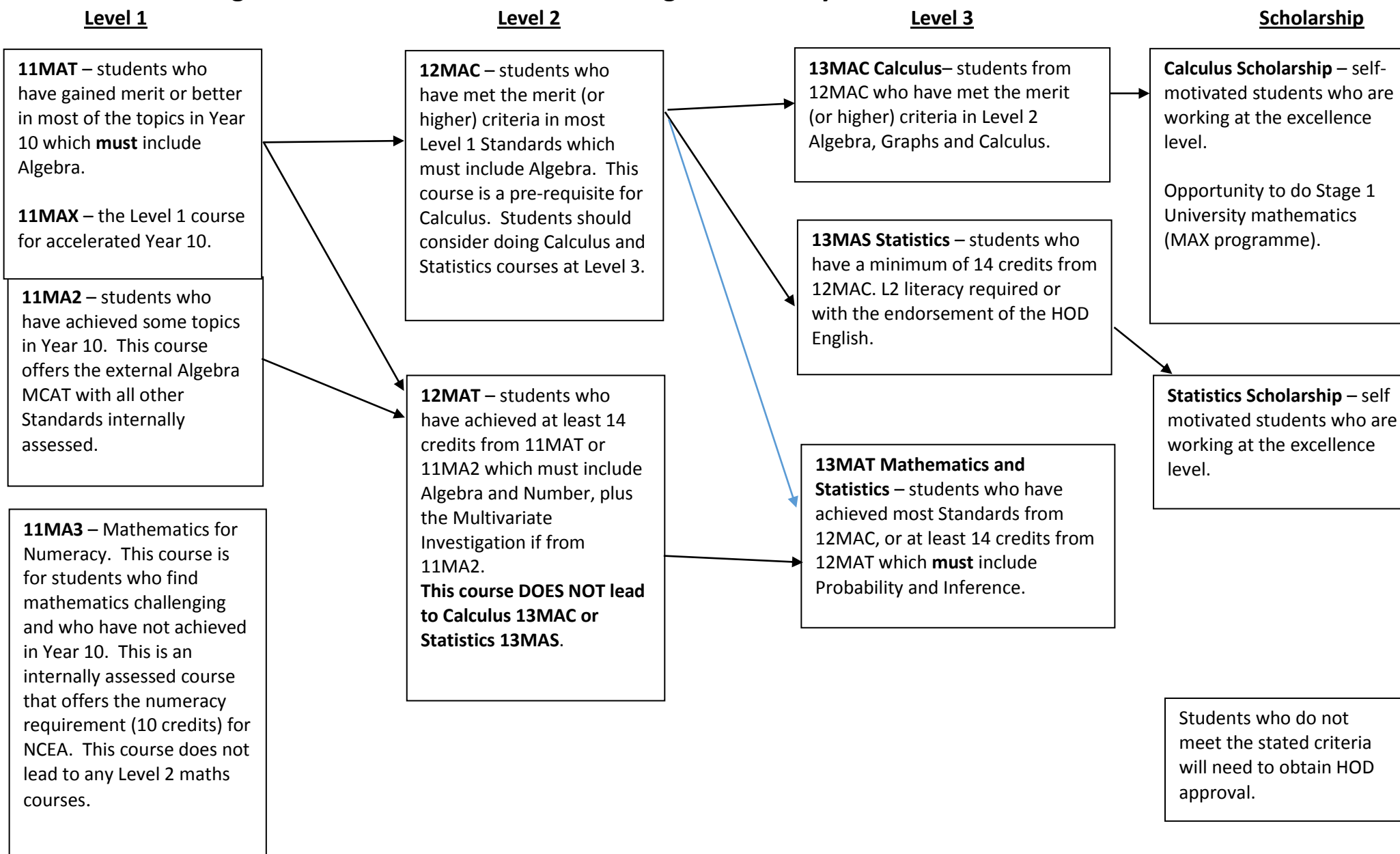
By learning mathematics and statistics, students develop other important thinking skills. They learn to create models and predict outcomes, to conjecture, to justify and verify, and to seek patterns and generalisations. They learn to estimate with reasonableness, calculate with precision, and understand when results are precise and when they must be interpreted with uncertainty. Mathematics and statistics have a broad range of practical applications in everyday life, in other learning areas, and in workplaces.

In Year 10, Mathematics and Statistics is structured in three strands: **Number and Algebra**, **Geometry and Measurement**, and **Statistics**. All students do the same course. (**NOTE:** *Students who have completed an advanced course of Mathematics in Year 9 may be invited to do NCEA Level 1 in Year 10.*)

Mathematics students in Years 9 and 10 use their iPads to access an on-line Mathematics programme, **HOTmaths**. Other iPad apps and resources may be added to enhance the Year 9 and 10 Curriculum and Learning programme.

At the end of Year 10 students are guided into a Level 1 programme as follows:

Sacred Heart College – Mathematics Courses 2018 – a guide to entry criteria



MUSIC

Entry to the course is at the discretion of the Head of Music. All year 10 music students will need to be learning an instrument or learning singing, as the practical side of the course leads into NCEA credits for performance.

Music is about **performance, experimentation, creation, knowledge** and **listening**.

The Year 10 programme develops these skills in a thorough range of musical experiences.

The course is based on the four recognised curriculum areas:

- Musical Knowledge - Theory (Grade One) and History
- Aural - Listening
- Composition - Knowledge of Sibelius, Logic and Guitar Pro Software
- Performance - Group and Individual

Music is an academic and practical course that prepares the student for NCEA Level 1 (Year 11) Music.

It should be noted that instrumental/vocal lessons are **compulsory** and that the ability to read and understand the basics of Music is essential.

MUSIC INSTITUTE

Year 10 Music Institute students complete some or all of Level 1 Music NCEA Standards.

They will have three periods a week, of which one period is for their Band or String Class.

PHYSICAL EDUCATION

Physical Education is a compulsory core subject in Year 10.

The aim of this course is to further develop student competencies through learning and acceptance of challenges in a range of movement contexts, promoting the support and development of physical and social skills and developing an understanding of the underlying theoretical concepts of the Senior Physical Education programme. Students will be taught and assessed through a variety of sports, games and physical activities throughout the year. In the second half of the year students will begin on their Level 1 NCEA programme.

Units include; **Power and Speed, Agility, Aquatics, Problem Solving, Sports Education and Striking Skills**. The sports and physical activity contexts that will be covered within these units include **Track and Field Athletics, Rugby, Basketball, Volleyball, Water Polo and Softball** as well as a range of other fitness activities and modified games.

Students are also expected to complete a range of written tasks to support their practical learning. Booklets will accompany most Units of work and assessments will vary from physical skill performance-based criteria, engagement and interaction, student reflection and completion of written responses, based on the specified learning objectives of the Unit.

Students will use iPads and on-line tools to assist them in their learning, and ongoing reflection on practice of skills will be kept via an electronic diary for the completion of the NCEA work during Term Three.

SCIENCE

Science is a **compulsory** core subject in Year 10. The aim of the Year 10 Science course is to advance the students' learning in Science by helping them to develop knowledge and a coherent understanding of the living, physical and material components of their environment and by promoting Science as an activity that is carried out by all people as part of their everyday life.

A key area of Year 10 Science is providing opportunities for students to develop the attitudes on which scientific investigation depends and helping students to explore issues to make responsible and considered decisions about the use of science and technology in the environment.

The Year 10 course follows the strands of the National Science Curriculum:

- **THE NATURE OF SCIENCE:**
 - Scientific method (including investigations)
 - Research in Science
- **THE LIVING WORLD:**
 - Ecosystems
 - Genetics and Natural Selection
- **THE MATERIAL WORLD:**
 - Atomic Structure and bonding
 - Acids and Alkalis
- **THE PHYSICAL WORLD:**
 - Electricity
 - Forces, Energy and Motion

Year	SACRED HEART COLLEGE COURSES SCIENCE				
9	Year 9 Science				
10	Year 10 Science OR Selected students completing NCEA Level 1 General Science (11SCX)				
11	NCEA Level 1 Advanced Science This course is a mixture of Biology; Chemistry and Physics with both internally and externally assessed Achievement Standards	NCEA Level 1 General Science This course is a mixture of Biology; Chemistry and Physics with both internally and externally assessed Achievement Standards			NCEA level 1 Applied Science This course is a mixture of Biology; Chemistry and Physics with only internally assessed standards
12	NCEA Level 2 Biology This course contains both internally and externally assessed Achievement Standards in Biology	NCEA Level 2 Chemistry This course contains both internally and externally assessed Achievement Standards in Chemistry	NCEA Level 2 Physics This course contains both internally and externally assessed Achievement Standards in Physics	NCEA Level 2 General Science This course contains both internally and externally assessed Achievement Standards in Biology; Chemistry, Physics and Earth in Space Science	
13	NCEA Level 3 Biology This course contains both internally and externally assessed Achievement Standards in Biology	NCEA Level 3 Chemistry This course contains both internally and externally assessed Achievement Standards in Chemistry	NCEA Level 3 Physics This course contains both internally and externally assessed Achievement Standards in Physics	NCEA Level 3 General Science* This course contains both internally and externally assessed Achievement Standards in Biology; Chemistry, Physics and Earth in Space Science	

**This course has not run for many years due to lack of numbers.*

SOCIAL STUDIES

Social Studies is a compulsory core subject in Year 10.

The Social Sciences learning area is about how societies work and how people can participate as critical, active, informed and responsible citizens.

Social Studies at Year 10 continues the 2-year programme, begun in Year 9, which focuses on Level 5 of the New Zealand curriculum. Themes that are covered in Year 10 are:

- Resource Use; The impact this can have on the environment and social sustainability.
- Comparative study of Indigenous experiences in New Zealand and Australia.
- Migration; Places people move to, why, and the impact this has in the place they leave and the place they go to.

Achievement objectives are assessed throughout the year in a variety of formats and are designed to help develop skills required in NCEA Level One History and Geography.

GLOBAL STUDIES

This course is designed to introduce Year 10 students to the skills required for information gathering and processing as it applies to History and Geography.

The course includes Units covering:

- **Weather and Climate**
- **Earth in the Solar System**
- **Elementary Geology and Geomorphology**
- **Cartography – Maps and Charts**
- **New Zealand History and Place Names**
- **World War I –battles and outbreak**
- **Special Places in New Zealand**
- **Erosion, glaciers and volcanoes**
- **New Zealand's Offshore Islands**

Global Studies is designed to provide a sound basis for History and Geography in Year 11 and above.

TECHNOLOGY

These courses have been designed to allow students to pursue interests in **1 or more of the *four*** areas of the Technology curriculum. **A clear progression pathway** exists for all ***four*** areas of Technology, into Year 11 and beyond. Students may choose more than 1 Technology option (*see the tables on pages 8 & 9*).

FOOD TECHNOLOGY

Offers students an opportunity to gain knowledge and experience in problem solving activities using food. The course has been designed to ensure students gain knowledge and skills in food preparation, nutrition, food hygiene and safety.

Students taking this option will be equipped to continue onto **NCEA Level 1 Hospitality**.

A \$65 fee applies to cover the cost of consumable items in this subject.

MATERIALS TECHNOLOGY

Offers students an opportunity to gain knowledge and experience in problem-solving activities through utilizing a range of resistant materials, such as metal, wood and plastics. The subject embeds sound workshop skills and practices and also prepares students to solve design problems using workshop materials. All students will follow a program in Computer Aided Design and practice printing simple products on the 3D printers.

Students taking this option will be equipped to continue onto **NCEA Level 1:**

- **Mechanical Technology**
- **Carpentry**

A \$40 fee applies to cover the cost of consumable items in this subject.

DIGITAL TECHNOLOGY (ICT)

In 2018 students study both will strands of the new Digital Technology Curriculum:

- **Computational thinking**
Students will have the opportunity to gain skills in Coding and Program design. They will be taught the fundamentals of computational thinking and will be introduced to programming languages such as Python.
- **Producing Digital outcomes**
Students will have the opportunity to gain skills in a range of Digital Technology applications, such as the Microsoft and Adobe suites of software. The subject requires students to undertake technological practice and they will be expected to demonstrate innovation and creativity in the design of their Digital Technology work. Photoshop, an introduction to websites, and planning using Realtimeboard, creating Digital Storyboards are part of this course.

Students taking this option will be equipped to continue onto **NCEA Level 1 - Computer Science** or **NCEA Level 1 - Digital Media** in Year 11.

The course is suitable for students wishing to pursue a career in the Digital Technology Design field or for those wanting to develop advanced skills in the use of computers, programming and coding.

DESIGN & VISUAL COMMUNICATION

Offers students the opportunity to follow the design process to visually solve given problems and design briefs. You will gain skills in 2D drawing, 3D drawing, modelling and rendering. There is also a computer graphics element to the course and students will often use an array of computer software to communicate visually their final designs.

It is a project-based course and the students' attempt 2 or 3 lengthy projects over the course of the year.

Students taking this option will be equipped to continue onto **NCEA Level 1 Design & Visual Communication**.

A \$50 fee applies to cover the cost of consumable items in this subject.