Sacred Heart College

ELECTIVES

2010

Grade 10
1. **RELIGION AND VALUES EDUCATION**
   - Philosophy and Ethics 10RELPE
2. **ENGLISH**
   - English Extended 10ENGX
   - Creative Writing 10CWR
   - Media Studies 10ENGMS
3. **MATHEMATICS**
   - Maths Methods 10MATM
4. **SCIENCE**
   - Robotics and Electronics 10ROBEL
   - Science Extended 10SCIX
   - Science for Scientists 10SCIS
   - Science for Everyone 10SCIE
5. **SOCIETY AND HISTORY**
   - History Extended 10HISX
   - Introduction to Law, Accounting and Economics 10LAE
   - Psychology 10PSY
   - Child Studies 10CHS
6. **HEALTH AND PHYSICAL EDUCATION**
   - Sport Science 10SPS
   - Health Studies 10HEA
   - Lifestyle Health 10PELH
7. **THE ARTS**
   - Drama 10DRA
   - Music – Rock Studies 10MUSRM
   - Music 10MUS
   - Audio Design – Sound Reinforcement & Recording 10AUD
   - Visual Art 10VA
8. **LANGUAGES**
   - Indonesian 10IND
   - Japanese 10JAP
9. **INFORMATION TECHNOLOGY**
   - Digital Animation/Web Page Design 10DAW
   - Photoshop and Painter 10PHPA
10. **TECHNOLOGY**
    - Design in Wood 10MDTW
    - Design in Metal 10MDTM
    - Computer Graphics and Design 10CGD
    - Fashion and Fabrics 10FASF
    - Food Studies 10FST
1. RELIGION AND VALUES EDUCATION

Philosophy & Ethics – 10RELPE

Could a machine think? Is it morally acceptable to create designer babies? What type of life is worth living? If you have ever considered questions like these, you are already thinking about philosophical and ethical issues.

*Philosophy and Ethics* will also introduce students to the teachings of some of our greatest philosophers such as Socrates, Plato and Aristotle. Students will study the great thinkers and how they have shaped the world in which we live. This will include the Ancient Greeks, Eastern Philosophers, early and medieval Christian thinkers. The Renaissance, Enlightenment, Modernity and Post Modernism will also be covered.

This course will enable students to explore some of today’s most controversial ethical and philosophical issues. Topics will include Euthanasia, the Death Penalty and Stem Cell Research and such questions as, can there be a “Just War” and what does it mean to be human? Students will also gain skills in ethical thinking and how to make difficult ethical and moral decisions. Students would require the capacity to work at an advanced level in English or Society and History.

**Course Content:**

- Philosophers of the ages
- Periods of philosophical enlightenment
- Ethical theories and then applications
- Philosophical and ethical debates

**Subject Pathway:**

![Subject Pathway Diagram]

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<thead>
<tr>
<th>Grade 10</th>
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<tbody>
<tr>
<td>Ethics and Philosophy</td>
<td>Religion and Philosophy TQA 3</td>
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<tr>
<td>150 hrs</td>
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2. **English**

**English Extended – 10ENGX**

This subject is designed for those students who have demonstrated a high degree of written and oral ability in their Grade 9 English course. It is aimed at those students who intend to do a pre-tertiary English subject in Year 11. It is recommended that English Extended students have achieved an award on the Advanced Syllabus in Year 9. The focus of this course is on developing students’ understanding of the power of language. It involves detailed study of a range of texts, analytical essays, extensive reading and a variety of creative responses to texts. This is an excellent introductory course for those students intending to study 5C English in Year 11.

**Course Content:**

- Literature Study – Focus Text
- Style Analysis – Essay structure, writing process, study and exam techniques
- Media – Film Study
- Creative Writing – individual writing folio
- Classical writers – individual study of one of the ‘greats’ (eg. Dickens, Hemmingway)

**Subject Pathway:**

Grades 11/12

Grade 9/10

**ENGLISH EXTENDED**

- ENGLISH WRITING TQA2 150 Hours
- ENGLISH APPLIED TQA 2 150 Hours
- ENGLISH COMMUNICATIONS TQA 3 150 Hours
- ENGLISH STUDIES TQA 3 150 Hours
- ENGLISH WRITING TQA 3 150 Hours
Creative Writing – 10CWR

Creative writing is an effective and entertaining form of communication. This course will give students an opportunity to spend time creating and crafting a range of creative texts. Students will focus on the writing process of drafting, editing and proofreading to craft their writing. The course content would include; investigation of a writer, the craft of writing, exploring genre and form, and the creation of a writing portfolio. Students will have the opportunity to develop their writing portfolio and investigate ways writers get their work published.

Course Content:

- Investigation of a writer
- The craft of writing
- Exploring genre and form
- Writing portfolio

Subject Pathway:

Grade 9/10

CREATIVE WRITING

Grades 11/12

ENGLISH WRITING SS 3-4C

ENGLISH SS 4C
150 Hours

ENGLISH SS 2-3B
100 Hours

ENGLISH FOR THE WORKPLACE SS 2-4B
100 Hours

ENGLISH WRITING SS 5C
150 Hours
Media Studies – 10ENGMS

This option focuses on the role of the media in today’s society. The media, in all its forms, is a potent influence on the shaping of attitudes and values in all people, but has a particular role in the shaping of young minds. This subject will teach students to become discerning media consumers. Media Studies is an important component of most Year 11 and 12 English courses. This optional subject will suit students with sound general English skills who have a genuine interest in the influence of the media.

Course Content:

- What is the media
- Issues in the media
- The cult of celebrity
- Television reality, pay, infotainment, domestic, documentary and soap opera
- Blockbuster films
- Media journal

Subject Pathway:

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MEDIA STUDIES

MEDIA PRODUCTION SS 2-4C
150 Hours

ENGLISH WRITING SS 3-4C
150 Hours

ENGLISH SS 4C
150 Hours

ENGLISH SS 2-3B
100 Hours

MEDIA PRODUCTION SS 5C
150 Hours
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3. MATHEMATICS

Maths Methods – 10MATM

This subject is designed for students who intend to undertake tertiary studies in Mathematics or Physical Sciences. This subject focuses on the acquisition of knowledge and the development of skills in the areas of general algebra, function and equation study, calculus and probability and general geometric series and algebraic processes. It provides a preparation for students for the pre-tertiary syllabus Mathematical Methods 5. It is also valuable for students who wish to undertake Applied Mathematics at College. Students will need to apply to do this course.

Course Content:

- Use of technology
- Algebra
- Functions and graphs
- Calculus
- Probability

Subject Pathway:

Grade 10

MATHEMATICS METHODS
100 Hours

MATHEMATICS SPECIALISED TQA 3
150 Hours

MATHEMATICS APPLIED TQA 3
150 Hours

Grades 11/12
4. **SCIENCE**

**Robotics and Electronics – 10ROBEL**

In the Robotics unit students will design, build and program fully functional robots. This will incorporate the important theoretical and practical aspects associated with Science, Technology, Engineering and Mathematics. Robotics will involve some programming using Lego robots, practical construction of functional robots and their required circuitry. For students with some electrical experience this could include the construction, programming and manipulation of advanced robotic systems similar to ones used for industrial and scientific purposes.

The Electronics unit includes a mixture of hands on practical learning and theoretical understanding. The unit will begin with a focus on circuit theory and then a provide opportunities for a variety of focuses depending on student interest. Through this unit students can gain experience using the tools needed for the electronics and associated industries and develop their understanding of how electronic components work.

**Course Content:**

- Test programming designed for a robot to accomplish a task
- Understand theoretical computing for robots
- Evaluate programs developed by the students
- Opportunity to participate in robotics challenges
- Use electronic equipment correctly and safely
- Develop understanding of theoretical electronics
- Construct circuits effectively

**Subject Pathway:**

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Grade 10
SCIENCE EXTENDED

PHYSICAL SCIENCES TQA 3
150 Hours

PHYSICS TQA 3
150 Hours

SCIENCE OF THE WORLD TQA 2
150 Hours

CHEMISTRY TQA 3
150 Hours

Grades 11/12
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### Science Extended – 10SCIX

This is a teacher facilitated but student run course enabling students to follow an area of science about which they are passionate. Students will be encouraged to liaise with working scientists in a mentoring capacity to develop their own area of research to pursue in depth. This course demands that students are self motivated and, with help, can research, design, carry out and evaluate either an extended area of research or several smaller areas of practical research. It is recommended that all students discuss this with their Science teacher before choosing this option. This course would be of particular interest to any student intending to do a science subject in Year 11 or 12.

### Course Content:

- Develop long term studies in an area of student interest
- Participate in a variety of state, national and international competitions.
- Develop practical skills in specific areas of Science that are not covered as part of Core Science.
- Opportunities to liaise with working Scientists conducting real world research.

### Subject Pathway:

- **Grade 10**
  - SCIENCE EXTENDED

- **Grades 11/12**
  - LIFE SCIENCE TQA 2
  - 150 Hours

- **Grades 11/12**
  - APPLIED SCIENCE TQA 3
  - 150 Hours
  - BIOLOGY TQA 3
  - 150 Hours
  - ENVIRONMENTAL SCIENCE TQA 3
  - 150 Hours
**Science for Scientists – 10SCIS**

Science for Scientists is a course which covers traditional Science. It has a heavy focus on facts and Scientific method. It is an academic course which will require students to understand basic scientific concepts such as cells, forces, energy, chemical bonding and atomic structure. Students who choose this course would be looking to pursue a future in a scientifically related field such as physics, chemistry, biology, geology and sports science in College or an apprentice with an aspect of science such as Electrician, Beautician or Chef. Science for Scientists is not for top academic students but for all students who feel that pure Science is important to their future.

- Students choose either Science for Scientists or Science for Everyone as a compulsory subject

**Course Content:**

Develop deeper understanding and basic theory in the areas of:

- Physics
- Chemistry
- Biology
- Conducting investigations

**Subject Pathway:**

Grade 10

- **SCIENCE FOR SCIENTISTS**

Grade 11/12

- **LIFE SCIENCE TQA 2** 150 Hours

Grades 11/12

- **APPLIED SCIENCE TQA 3** 150 Hours
- **BIOLOGY TQA 3** 150 Hours
- **ENVIRONMENTAL SCIENCE TQA 3** 150 Hours
Science for Everybody – 10SCIE

Science for Everybody is a course which focuses on skills rather than facts. It is not an easier Science course but looks at developing problem solving, logical reasoning and discrimination skills. This course looks at four areas involving Science rather than specific physics, biology, chemistry and geology content. It is as demanding as the Science for Scientists course but focuses less on factual recall and more on developing the skills that are useful in a wider field of futures. This does not exclude students from continuing on in Science at college, but students would not get as many background ‘facts’ as Science for Scientists.

- Students choose either Science for Scientists or Science for Everyone as a compulsory subject

Course Content:

Learn to apply Science to aspects of the world in which we live including:

- Genetics and Reproduction
- The Earth and Space
- Food and drink
- Motion and energy

Subject Pathway:

Grade 10

SCIENCE FOR EVERYBODY

Grade 11/12

LIFE SCIENCE TQA 2 150 Hours

Grades 11/12

APPLIED SCIENCE TQA 3 150 Hours

BIOLOGY TQA 3 150 Hours

ENVIRONMENTAL SCIENCE TQA 3 150 Hours
5. **SOCIETY & HISTORY**

**History Extended– 10HISX**

History Extended is for students who intend to go on to further study in the Humanities, or who have a serious interest in social, political or cultural matters. This subject will look at how the times and places we live in affect us, shaping our attitudes and experiences of life. Topics will be of special relevance to our world today, including a major focus on the cultural and social histories of China and Vietnam.

The subject will consider cultural theory of the late 20th Century. There will be a focus on Primary sources, and the philosophic underpinnings of culture will be a major perspective.

Students will develop high level understanding and skills, with an awareness of the context and philosophic basis of all historical texts. It is intended that the course will not only develop skills and understanding, but also appreciation of people and ideas from other places and other times.

**Course Content:**

- Cultural theory.
- Culture and history of Ancient China
- Culture and history of Vietnam to the present day; Australia’s relationship with Vietnam over the past 70 years.

**Subject Pathway:**

Grade 10

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| HISTORY EXTENDED |
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Grades 11/12

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| AUSTRALIA in ASIA & the PACIFIC TQA 3 150 Hours |
| SOCIETY 5C 150 Hours |
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Introduction to Law, Accounting and Economics – 10LAE

A large number of students choose to study in these areas in college and university. If you are thinking of studying or working in these fields, it could be worth ‘trying before buying’. Accounting is skill based and very useful not only personally, with tax returns and the like, but also professionally. Having an understanding of economics is very helpful in understanding what the politicians are arguing, such as why we are trying to stave off a recession. Law is where you are introduced to the Australian legal system and the roles of solicitors, barristers and so forth. Having some background or qualifications in law, accounting and economics, opens up many interesting and lucrative pathways into the workforce.

Course Content:

Law
- The study of the nature of legal and political structures and processes and the delivery of justice in Australia.
- Rights and responsibilities of citizens in Australia’s legal and political systems.

Accounting
- Developing knowledge and understanding of financial terms, concepts and ideas;
- developing skills in recording, reporting, analysing and interpreting financial information.

Economics
- Studying the features of modern economic systems, with a primary emphasis on the Australian economic system.
- Examining the factors central to how an economy operates, namely economic growth, inflation, employment, income distribution and overseas events.
- Understanding and appreciation of the business world and of making sound management, public relations and consumer decisions.
- Examining the ways in which people manage resources to achieve their objectives.

Subject Pathway:

Grades 11/12

ACCOUNTING 5C
150 Hours

ECONOMICS 5C
150 Hours

LEGAL STUDIES
150 Hours
Psychology – 10PSY

Psychology is the study of what goes on in the mind, and where feelings and behaviour come from. Psychology has five basic goals: it seeks to describe, explain, predict, control and improve. This subject will present an outline history of psychology, and explore a range of topics including practical experiments and research studies. It is an exploratory subject, inviting students to reflect on aspects of their own and others’ thoughts and behaviours.

Topics will range across Scientific and Humanist Psychology, with students choosing research topics according to their own interests. The course is designed to develop awareness of aspects of personality, motivation, mind-control and growth. Students should gain in understanding of themselves and others, as well as understanding the methods psychologists use in developing knowledge about psychological matters. There will be a focus on academic skills including the use of authorities and evidence.

Course Content:

- History of Psychology - from Freud, psychoanalysis, Conditioning, Behaviourism, Scientific Psychology, Humanism to interpersonal Psychology.
- Freud – id, ego, superego; conscious and unconscious mind; repression and compulsion
- Maslow and Rogers – motivation, self-actualisation and peak experiences
- Dreams
- Erikson and Stages of Human Development
- Self-image and Personality Disorders; methods of treatment
- Methods of data collection
- Personality and the effects of environment
- Research exercise on a subject chosen by the student

Subject Pathway:

Grade 10

PSYCHOLOGY

INTRO TO PSYCHOLOGY

SOCIOLOGY 4C

150 Hours

WORKING WITH CHILDREN 4C

150 Hours

Grades 11/12

Grades 11/12

PSYCHOLOGY 5C

150 Hours

SOCIOLOGY 5C

150 Hours
Child Studies – 10CHS

In Child Studies, students have the opportunity to explore the way babies and children develop from before birth through to the early years of school. The students examine the factors which influence the growing child and the way children develop through learning and play. Each student will be required to “care” for a simulated baby.

Course Content:

- Conception
- Pregnancy
- Birth
- Development for first 12 months
- Working with a simulated baby

Subject Pathway:

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<tr>
<td>GRADE 9/ 10 CHILD STUDIES</td>
<td>WORKING WITH CHILDREN 5540 150 Hours</td>
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<td>CERTIFICATE 2: COMMUNITY SERVICES (Children's service)</td>
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6. Health and Physical Education

Sport Science – 10SPS

This subject aims to develop an understanding of the inter-relationship between the human body and the development of fitness, extending to the causes, prevention and management of emergency care in a variety of environments through theoretical and practical components.

Course Content:

- Skill development
- Performance analysis
- Fitness
- Games Analysis
- Biomechanics
- Children in sport

Subject Pathway:

Grade 10

SPORT SCIENCE 9/10

SPORT SCIENCE Grade 10

Grades 11/12

SPORT SCIENCE SS 5C Pre-Tertiary

ATHLETE DEVELOPMENT SS 3C
Health Studies – 10HEA

Health Studies will provide students with the opportunity to further explore health issues important to them as individuals and as a society. This is an academic based course designed to build and expand knowledge gained in Health and Wellbeing/Physical Education. The course would suit students interested in Nursing, Social Work, Environmental Health, Child Care, Occupational Health and Safety, and Hospital Based Services. The course content includes: the meaning of health, current health issues, preventative and curative health care in Australia and health in developed and developing countries. Students will explore the influence of personal, cultural, spiritual, social, economic and political values on health, health care and health promotion.

Course Content:

The course content is divided into three content areas:

- Health concepts
- Attitudinal and environmental influences over health
- Health skills and processes.

Subject Pathway:

[Diagram showing the subject pathway from Grade 10 Health Studies to Grades 11/12 Health Studies 5C with 150 Hours]
Lifestyle Health- 10PELH

Lifestyle Health is for the student that is looking for that bit extra training and increasing their fitness base. This subject aims to encourage lifelong participation in physical activity as well as an understanding of sport in society. Students will be expected to be highly motivated and willing and able for any type of activity.

Course Content:

- Fitness Unit
- First Aid and Bronze Medallion Qualifications
- Extra Athletics and Cross Country Training
- Community based fitness

Lifestyle Health will be limited to 20 students by application only.
7. THE ARTS

Drama – 10DRA

In Drama, students work cooperatively in groups or individually to search for, explore and negotiate through action. Students will have opportunities to perform in various productions and provide support both behind stage and front of house. Students will also have an opportunity to study script writing, stage makeup and set design. There is a written component in Drama which includes an ongoing reflective journal, critical analysis of live theatre and an assignment on theatre history. Students also need to critically examine and appraise their own work and the work of others.

Course Content:

- Mime and Improvisation
- Script and Filming
- Production and Theatre Sports
- Characterisation
- Excursions

Subject Pathway:

Grade 10

Drama

STUDIES IN DRAMA SS 3B/C

STUDIES IN DRAMA PRODUCTION SS 3B/C

Grades 11/12

THEATRE PERFORMANCE SS 5C

DRAMA SS 5C

STUDIES IN DRAMA SS 4B/C

STUDIES IN DRAMA PRODUCTION SS 4B/C

Grades 11/12

STUDIES IN DRAMA SS 4B/C

STUDIES IN DRAMA PRODUCTION SS 4B/C

Grades 11/12
Music - Rock Studies – 10MUSRM

This course is designed for three bands and it is preferred students enter as a group e.g. drummer, bass player, lead and rhythm guitar. Players must be proficient on the guitar and the group must have a ‘front singer’. Bands must be prepared to learn and practise repertoire that may not necessarily be their own choice. Singers are welcome and the course is very much based on performance.

Course Content:
- Performance
- Practice
- Writing Music and Lyrics

Subject Pathway:
Music - 10MUS

This course is designed for musicians who already play an instrument or sing and would like to pursue their music either for pure enjoyment or in order to become very proficient. The content of the course does not necessarily have to be purely classical but no drumming or amplifiers will be allowed. The course is very much based on performance and students will have to perform at college assemblies, liturgies and concerts. Students will study genres including jazz, blues, etc.

Course Content:

- Use of technology
- Music appreciation
- Practice in keyboard, guitar, drums and voice
- Performance

Subject Pathway:

Grade 10

MUSIC

Grades 11/12

STUDIES IN MUSIC TQA 2
150 Hours

CONTEMPORARY MUSIC ROCK STUDIES TQA 2
150 Hours

Grades 11/12

MUSIC PERFORMANCE TQA 3
150 Hours

MUSIC TQA 3
150 Hours

CONTEMPORARY MUSIC ROCK STUDIES TQA 2
150 Hours
Audio Design – 10AUD

Comprises 2 units, sound reinforcement and sound recording

Sound Reinforcement will provide interested students with an opportunity to learn about the requirements setting up a P.A. system. This is a primarily hands on course and will provide students with experience in providing PA support for school assemblies, liturgies, music concerts, drama performances and school fairs. This course provides a pathway into the year 11/12 subject and into future career opportunities with sound reinforcement companies, the theatre and the music, television and radio industries.

In Sound Recording students will be able to look at the entire recording process. Students will gain experience in the art of recording, mixing and mastering.

Course Content:

- Signal path
- Microphone technique/placement
- Managing PA
- Editing and Mixing and Live Mixing
- Multi Tracking
- Understanding Terminology

Subject Pathway:

Grade 10

Audio Design

Grades 11/12

Audio Design
TQA 2  150 Hours

Grades 11/12

Audio Design
TQA 3  150 Hours
7. THE ARTS

Visual Art – 10VA

The Grade 10 course will offer students the capacity to choose their medium and theme/s for the year. They will be encouraged to be independent thinkers and artists and be responsible for the content and direction of their course. They will learn the importance of producing a visual art diary and develop the capacity to sustain focus on a chosen theme. Students will negotiate with the teacher the medium they prefer to use and the theme/s they will focus on for the year. They may choose any area subjects including painting, drawing, mosaic, glass, graffiti art, digital photography, printing or sculpture.

Course Content:

- Use of visual art diary
- Developing a theme
- Building a portfolio
- Creating a focus work
- Exhibition of work in a public arena

Subject Pathway:
8. LANGUAGES

Indonesian – 10IND

This subject is designed to develop students’ skills in understanding, speaking, reading and writing Indonesian. Students will experience and study this fascinating culture, in comparison with their own, and broaden their understanding of, and sensitivity to, all other cultures. The subjects in Grade 9 and 10 build on the skills and knowledge developed in Grades 7 and 8. Students who have no previous experience are welcome to join the Indonesian courses in Grade 9 or 10. In this case, teachers will help the students in every way possible, but the level of proficiency that can be achieved will be dependent upon a student’s own motivation and clear goals. The courses in Grades 9 and 10 develop the students in readiness for Grade 11.

Course Content:

- Language
- Culture
- Current Affairs

Subject Pathway:

Grade 10

- Indonesian

Grades 11/12

- Indonesian TQA 2
  - 150 Hours

Grades 11/12

- Indonesian TQA 3
  - 150 Hours
8. LANGUAGES

Japanese – 10JAP

This subject gives students the opportunity to develop the skills of listening, speaking, reading, and writing Japanese and, in the process, gain a greater understanding of their own language. Students will study the fascinating culture of Japan in comparison with their own, and broaden their understanding of, and sensitivity to, all other cultures. Students of Japanese progress through a series of levels, building on the skills and knowledge gained in Grades 7 and 8. Students who study Japanese continuously through to Grade 10 have the advantage of being able to pursue pre-tertiary study of Japanese in Year 11.

Course Content:

- Going Places – holidays
- My Town – Amazing Race
- Verbs, Adjectives
- Visit to Japanese Restaurant

Subject Pathway:

Grade 10

Japanese

Grades 11/12

Japanese TQA 2
150 Hours

Grades 11/12

Japanese TQA 3
150 Hours
Digital Animation/Web Based Design – 10DAW

In the first half of the course students will learn how to construct web pages or create publications for print.

In the second half of the course the students will be able to choose either Gamemaker or Digital Animation.

Course Content:

Web page design
- Learn how to construct a web page in Dreamweaver.
- Learn the fundamentals of good web design and apply it to the redesign of a “bad” website.

Desktop publishing
- Learn the skills for producing various types of publications for print and how to manipulate images.
- Students will also have the opportunity to produce content for the yearbook.

Gamemaker
- Create puzzle, strategy, maze or adventure games using a drag and drop interface or the advanced scripting language.

Digital Animation
- Create cartoons in Flash.
- Learn how to use: a variety of tools and storyboards for your planning.
- Tweens to animate objects
- Library to store parts of your character to re-use later.

Subject Pathway:

Grade 10
- Digital Animation/Web Based Design

Grades 11/12
- Computing TQA 1-2 (100-150 Hours)
- Computer Technology TQA 3 (150 Hours)
- Information Technology & Systems TQA 3 (150 Hours)

Grades 11/12

ELECTIVES GRADE 10, 2010
9. INFORMATION TECHNOLOGY

Photoshop and Painter – 10DIGP

In the first part of this course students will have the opportunity to manipulate their own, and other people’s digital photos. Excursions will be taken to gather a wide range of subjects to photograph. Students will also produce graphics for the school calendar and yearbook.

In the second part of the course students will use Photoshop to replicate the style of various artists and also use Painter to create their own works of art mimicking the use of charcoal, pencils, oils etc. This subject allows students to be digital artists using computer tools to replicate “hands on” art techniques either to mimic the style of well known artists or to create their own works of art.

The use of digitising tablets will allow students to have more control over their work and be the equivalent of using traditional drawing or paint methods.

Course Content:

- Understanding camera settings
- Understanding rules for taking good photos
- Improving photos using Photoshop
- Creating imagined scenarios from standard photos
- Mimicking techniques from ‘the masters’
- Creating fully digital artworks

Subject Pathway:

Grades 11/12

VISUAL ARTS & MEDIA
150 Hours

ART STUDIO PRACTICE
TQA 3 150 Hours
10. Technology

Design In Wood – 10MDTW

Design in Wood provides students with the opportunity to use a variety of tools, equipment and materials in a safe workshop environment.

This subject encourages students to use design, make and appraise to develop an understanding of the design process. Through working with timbers, students will be involved in a variety of practical problem solving solutions that lead to the development of skills, techniques and processes. Students are encouraged to work independently and cooperatively, showing creativity and resourcefulness whilst demonstrating a thorough awareness of Occupational Health and Safety in the workshop.

Course Content:

As part of this course, all Grade 10 students will be expected to complete the following Certificate 1 modules in Building and Construction, which may assist students in gaining entry into a VET Training course in years 11 and 12. This may also assist them in seeking out apprenticeships in the Building and Construction industry.

BCGCM1001B – Follow OH&S Policies and Procedures
BCGVE1002B – Undertake a Basic Construction Project

Standards of these modules will be overseen by Guilford Young College as our Registered Training Organization and will meet the requirements of Australian Quality Training Authority. Credit for these modules may be transferred to years 11 or 12 and count towards the VET Construction Certificate 1.

Subject Pathway:

Grade 10

DESIGN IN WOOD

Grades 11/12

CERTIFICATE 1 VET CONSTRUCTION
10. Technology

Design in Metal – 10MDTM

Design in Metal provides students with the opportunity to use a variety of tools, equipment and materials in a safe workshop environment. This subject encourages students to use design, make and appraise to develop an understanding of the design process. Through working with metal, students will be involved in a variety of practical problem solving solutions that lead to the development of skills, techniques and processes. Students are encouraged to work independently and cooperatively, showing creativity and resourcefulness whilst demonstrating a thorough awareness of Occupational Health and Safety in the workshop.

Course Content:

As part of this course, all Grade 10 students will be expected to complete the following Certificate 1 modules in Building and Construction, which may assist students in gaining entry into a VET Training course in years 11 and 12. This may also assist them in seeking out apprenticeships in the Building and Construction industry.

MEM18001C - Use Hand Tools
MEM05012C - (Perform routine manual metal) Arc Welding

Standards of these modules will be overseen by Guilford Young College as our Registered Training Organization and will meet the requirements of Australian Quality Training Authority. Credit for these modules may be transferred to years 11 or 12 and count towards the VET Construction Certificate 1.

Subject Pathway:

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<tbody>
<tr>
<td>DESIGN IN METAL</td>
<td>CERTIFICATE 1 VET CONSTRUCTION</td>
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10. Technology

Computer Graphics & Design – 10CGD

This subject encourages students to develop an understanding of computer graphics processes, concepts and skills. They will use design principles and practice to explore applications and to prepare graphic presentations.

The majority of this course is spent working with TurboCad Professional and 3D Studio Max. Drawings include: isometric drawing, orthographic drawing, architectural drawing, product design, 3D modelling and animation.

Course Content:

- Design
- To gain skills and techniques
- Identify and propose solutions
- Locate and manage resources
- Participation skills

Subject Pathway:

Grade 10

COMPUTER GRAPHICS AND DESIGN

Grade 11/12

COMPUTING TGA 1-2
100 or 150 Hours

COMPUTER SCIENCE
TQA 3
150 Hours

INFORMATION TECHNOLOGY AND SYSTEMS TQA 3
150 Hours
10. Technology

Fashion & Fabrics – 10FASF

Fashion and Fabrics will provide students the opportunity to explore fabrics in relation to the fashion or interior design industries. Students will investigate how fabrics are used in fashion and interior design, and they will explore trends within each industry and developing an understanding of influences such as colour, texture, and technology when working with fabrics. Central to the course will be a practical project using fabrics. This could be the making of an item of clothing, designing and making a quilt or producing interior design items such as cushions, doona covers, etc. Students will have the opportunity to develop their own practical projects.

Course Content:

- Develop skills and knowledge relevant to the fashion industry.
- Understand and demonstrate how to design, make and evaluate textile products.
- Gain knowledge of how history and culture influence fashion trends.
- Develop knowledge of fabric sources and how their fibre characteristics influence their uses in everyday clothing.

Subject Pathways:

Grade 10

FASHION AND FABRICS

Grades 11/12

CERTIFICATE 1-1V
APPLIED FASHION
DESIGN & TECHNOLOGY
POLYTECHNIC

CLOTHING, TEXTILES &
DESIGN
POLYTECHNIC

DESIGN & PRODUCTION
POLYTECHNIC
10. Technology

Food Studies – 10FST

Food Studies enables students to develop an understanding of nutrition by producing food items. Students will be encouraged to develop knowledge of food in the wider community in order to gain an appreciation of vocational and consumer opportunities. Students are encouraged to work independently and cooperatively in a safe and hygienic manner, and to demonstrate initiative and resourcefulness when completing given tasks.

As part of the new Trade Training Centre all students undertaking Grade 10 Food Studies will be expected to complete a Certificate 1 module in Hospitality (Kitchen Operations). The module set for 2010 will be SITHCC004A: Clean and maintain kitchen premises. This unit applies to all enterprises with kitchen premises and equipment, such as restaurants, hotels, cafeterias and other catering facilities and covers cleaning, sanitizing and storage of equipment. Successful completion of the module may assist students seeking part-time employment in the Hospitality Industry. Standards for this module will be overseen by Guilford Young College Hospitality staff and meet the requirements of Australian Quality Training Authority. Credit for this module may be transferred to year 11 and count towards the VET Hospitality Certificate 1.

Course Content:

- Breakfast Cooking
- Main Courses
- Desserts
- Meal planning
- Entertaining
- Food for special occasions
- Nutrition

Subject Pathway:

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<th>Grade 10</th>
<th>Grades 11/12</th>
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<tbody>
<tr>
<td>Food Studies</td>
<td>Food And Cooking Essentials TQA 1</td>
<td>Food and Nutrition TQA 1</td>
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<td>100 Hours</td>
<td>150 Hours</td>
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