Welcome to St Patrick’s College 2012

[Please keep this book and refer to it during your time at St Patrick’s – you will need to refer back to it for invaluable general information]
<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff of St Patrick’s College</td>
<td>3</td>
</tr>
<tr>
<td>Senior Subjects : What to consider</td>
<td>4</td>
</tr>
<tr>
<td>Guidelines for selection</td>
<td>5</td>
</tr>
<tr>
<td>Pathways</td>
<td>6</td>
</tr>
<tr>
<td>Overall Position (OP) Subjects</td>
<td>7</td>
</tr>
<tr>
<td>Overall Position (OP) Course</td>
<td>8</td>
</tr>
<tr>
<td>Vocational Education &amp; Training (VET) / Authority Registered Subjects</td>
<td>9</td>
</tr>
<tr>
<td>Vocational Education &amp; Training (VET) Courses</td>
<td>10</td>
</tr>
<tr>
<td>Queensland Certificate of Education (QCE)</td>
<td>13</td>
</tr>
<tr>
<td>General Information</td>
<td>15</td>
</tr>
<tr>
<td>Subject Selection</td>
<td>18</td>
</tr>
<tr>
<td>OP Subjects:</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>19</td>
</tr>
<tr>
<td>Aerospace Studies</td>
<td>20</td>
</tr>
<tr>
<td>Ancient History</td>
<td>21</td>
</tr>
<tr>
<td>Biology</td>
<td>22</td>
</tr>
<tr>
<td>Business Communication &amp; Technologies</td>
<td>23</td>
</tr>
<tr>
<td>Chemistry</td>
<td>24</td>
</tr>
<tr>
<td>Drama</td>
<td>25</td>
</tr>
<tr>
<td>Economics</td>
<td>26</td>
</tr>
<tr>
<td>English</td>
<td>27</td>
</tr>
<tr>
<td>English Extension - Literature</td>
<td>28</td>
</tr>
<tr>
<td>Film, Television &amp; New Media</td>
<td>29</td>
</tr>
<tr>
<td>Geography</td>
<td>30</td>
</tr>
<tr>
<td>Graphics</td>
<td>31</td>
</tr>
<tr>
<td>Home Economics</td>
<td>32</td>
</tr>
<tr>
<td>Information Processing &amp; Technology</td>
<td>33</td>
</tr>
<tr>
<td>Information Technology Systems</td>
<td>34</td>
</tr>
<tr>
<td>Japanese</td>
<td>35</td>
</tr>
<tr>
<td>Legal Studies</td>
<td>36</td>
</tr>
<tr>
<td>Marine Studies</td>
<td>37</td>
</tr>
<tr>
<td>Mathematics Course Overview</td>
<td>38</td>
</tr>
<tr>
<td>Mathematics A</td>
<td>39</td>
</tr>
<tr>
<td>Mathematics B</td>
<td>40</td>
</tr>
<tr>
<td>Mathematics C</td>
<td>41</td>
</tr>
<tr>
<td>Modern History</td>
<td>42</td>
</tr>
<tr>
<td>Music</td>
<td>43</td>
</tr>
<tr>
<td>Physical Education</td>
<td>44</td>
</tr>
<tr>
<td>Physics</td>
<td>45</td>
</tr>
<tr>
<td>Science 21</td>
<td>46</td>
</tr>
<tr>
<td>Study of Religion</td>
<td>47</td>
</tr>
<tr>
<td>Visual Art</td>
<td>48</td>
</tr>
<tr>
<td>Vocational Education &amp; Training (VET) Overview</td>
<td>49</td>
</tr>
<tr>
<td>Business Procedures</td>
<td>51</td>
</tr>
<tr>
<td>Early Childhood Education</td>
<td>52</td>
</tr>
<tr>
<td>English Communication</td>
<td>53</td>
</tr>
<tr>
<td>Hospitality</td>
<td>54</td>
</tr>
<tr>
<td>Information &amp; Communication Technology</td>
<td>55</td>
</tr>
<tr>
<td>Manufacturing – Certificate I in Construction</td>
<td>56</td>
</tr>
<tr>
<td>Manufacturing – Certificate I in Engineering</td>
<td>57</td>
</tr>
<tr>
<td>Manufacturing – Certificate I in Manufacturing (Pathways)</td>
<td>58</td>
</tr>
<tr>
<td>Manufacturing – Furnishing Studies</td>
<td>59</td>
</tr>
<tr>
<td>Manufacturing – Industrial Graphics</td>
<td>60</td>
</tr>
<tr>
<td>Pre-Vocational Maths</td>
<td>61</td>
</tr>
<tr>
<td>Recreation Pursuits</td>
<td>62</td>
</tr>
<tr>
<td>Religion &amp; Ethics</td>
<td>63</td>
</tr>
</tbody>
</table>
STAFF OF ST PATRICK’S COLLEGE

The following are members of St Patrick’s College staff who have special responsibility for the academic life of the college or particular study areas. They are available to give you advice concerning your choices when entering year 11.

Administration Staff

Principal                      Mr Eamon Hannan
Assistant to the Principal: Administration   Mr Mark Gibbs
Assistant to the Principal: Curriculum    Ms Edna Galvin
Assistant to the Principal: Religious Education  Ms Lesley Fraser
Assistant to the Principal: Student Welfare    Mr Sean Geoghegan

Heads of Departments

Head of Business                 Mr Robert Sparks
Head of English & Drama          Mr Peter Scott
Head of Information Processing & Technology Mrs Janelle Agius
Head of Lifestyles
(Home Economics / Hospitality & Early Childhood Studies) Mrs Kerry Hine
Head of Manual Arts               Mr Russell French
Head of Mathematics              Mr Glen Smith
Head of Physical Education       Ms Amarlie Carroll
Head of Science                  Mrs Bernadette Guthrie
Head of Social Science           Mrs Natalie Pyke
Head of Vocational Education & Training (VET) Mr William Cassells

Single Subject Teachers

Art                            Mr Tony Druery
Film, Television & New Media    Mr Martin Odger
Japanese                       Mrs Margaret Browne
Music                          Mrs Bianca Johnston
Guidance Counsellor            Mrs Edie Weiss
Learning Support                Ms Jodi Campion
SENIOR SUBJECTS: WHAT TO CONSIDER

Please note as this is the sixth intake of students for the Queensland Certificate of Education, changes may be made by the Queensland Studies Authority during 2012 — 2013. Please be aware that many of the senior subjects are still under review and slight changes may occur to the requirements.

Your capabilities and talents

- Do subjects you like and / or are good at.
- Have realistic expectations of your ability.
- Your performance to the end of Year 10 is a good guide to your ability.
- In general, results do not improve dramatically in Year 11.

Your career interests

- Research possible careers.
- The book “Summary of Selection Criteria for Entry to University” which you will receive from your present school will list possible courses and prerequisite subjects.

Leaving your options open

- Many students do not have a clear idea at the beginning of Year 11 what career they wish to follow. Others change career choices as time passes.
- Do not be too narrow in your range of choices.
- Be careful about dropping subjects now that cannot be taken up again.
- IMPORTANT: CHOOSE CAREFULLY - you can NOT change subjects easily in Senior school.

Prerequisite subjects for tertiary studies

- Many tertiary courses require certain subjects be studied to a set level to gain entry.
- This information is available in the QTAC book.

Prerequisite subjects and levels of attainment for senior secondary subjects

- You must select an English and a Maths subject
- Some Year 11 subjects require certain Year 10 studies.
- Remember: senior subjects must be studied for one full semester (two terms) before changing and at least three (3) OP subjects must be studied for two years for student to be eligible for an OP. Three senior subjects (any) must be studied for the entire course to be eligible for a QCE.

Ask questions!
Talk to Coordinators and Counsellors!
Get on-line etc
Choose wisely
GUIDELINES FOR SELECTION

- Find out about career pathways.
- Have a few career choices in mind before choosing subjects.
- If you are uncertain about a career at present, seek help in trying to choose subjects that will keep several pathways open for you.
- Read the subject descriptions in this handbook.
- Talk to subject coordinators and subject teachers.
- Look at books and materials used in the subject.
- Attend the Subject Information night – compulsory for ALL students. As many students make such poor subject choices, it is now compulsory to speak to teachers at Subject Information night.
- Talk to students already studying the subjects.
- Make a decision on a combination of subjects that suits your requirements and abilities.
- Do not select subjects simply because someone has told you that they ‘help you get good results and give you a better chance of getting into university’.
- Try not to be influenced by suggestions that you should or should not choose a particular subject, because a friend / brother / sister either liked or disliked it or the teacher when they studied it.
- Above all, choose subjects you are good at and that you like.
- BE PREPARED TO WORK HARD – REGARDLESS OF WHAT SUBJECTS YOU CHOOSE, BECAUSE YOU CAN NOT CHANGE.

REMEMBER!
EVERYONE WANTS AN ‘A’ STUDENT - EMPLOYERS AND TERTIARY INSTITUTIONS

THIS MEANS ‘A’ FOR:

➢ ATTENDANCE
➢ APPEARANCE
➢ ATTITUDE
➢ APPLICATION
PATHWAYS

- Doctoral Degree
- Masters Degree
- Graduate Diploma
- Honours Year
- Graduate Certificate
- Bachelor Degree
- Advanced Diploma
- Diploma
- Certificates I – IV
- QCE
- OP
- QTAC Entrance Rank
- Traineeships
- Apprenticeships
OVERALL POSITION (OP) SUBJECTS

- Approved by the Queensland Studies Authority (QSA).
- Results appear on student’s Senior Statement.
- Results are used in calculation of a student’s Overall Position (OP).
- Results contribute to the Queensland Certificate of Education.
- Are academic in approach though they may contain practical elements.
- For more details on the Overall Position (OP) see page 8.

Overall Position (OP) subjects offered are:

- Accounting
- Aerospace Studies
- Ancient History
- Biology
- Business Communication & Technologies
- Chemistry
- Drama
- Economics
- English
- English Extension (Year 12 only)
- Film, Television & New Media
- Geography
- Graphics
- Home Economics
- Information Processing & Technology
- Information Technology Systems
- Japanese
- Legal Studies
- Marine Studies
- Mathematics A
- Mathematics B
- Mathematics C
- Modern History
- Music
- Physical Education
- Physics
- Science 21
- Study of Religion
- Visual Art
OVERALL POSITION (OP) COURSE

WHY DO THIS COURSE?

- To gain University / TAFE entry.
- As a general preparation for employment.

WHAT CERTIFICATION DO YOU GAIN?

- Senior Statement.
- Tertiary Entrance Statement (includes OP).

WHAT CERTIFICATION COULD YOU GAIN?

- Queensland Certificate of Education.

ANYTHING ELSE?

- Students sit for the Queensland Core Skills Test (QCS).

OP COURSE STRUCTURE

<table>
<thead>
<tr>
<th>English</th>
<th>OR</th>
<th>English</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study of Religion</td>
<td>Maths A or Maths B</td>
<td>Religion &amp; Ethics</td>
</tr>
<tr>
<td>Maths A or Maths B</td>
<td>Choice 1</td>
<td>Maths A or Maths B</td>
</tr>
<tr>
<td>Choice 1</td>
<td>Choice 2</td>
<td>Choice 1</td>
</tr>
<tr>
<td>Choice 2</td>
<td>Choice 3</td>
<td>Choice 2</td>
</tr>
<tr>
<td>Choice 3</td>
<td>Study</td>
<td>Choice 3</td>
</tr>
<tr>
<td>i.e.</td>
<td>Eng, SOR, Maths, 3 others</td>
<td>i.e.</td>
</tr>
<tr>
<td></td>
<td>Eng, RE, Maths, 4 others</td>
<td></td>
</tr>
</tbody>
</table>

Choice of subjects may be a mixture of OP and Vocational Education subjects but an OP course must include at least five (5) OP subjects. Three (3) to be studied continuously to receive both an OP and QCE. You MUST gain at least a pass (C standard) on all 3 for a QCE!!

You can NOT change subjects unless under strict conditions.
VOCATIONAL EDUCATION & TRAINING (VET) SUBJECTS AND AUTHORITY REGISTERED SUBJECTS

- Approved by the Queensland Studies Authority (QSA).
- Results appear on the student’s Senior Statement.
- Results contribute to the Queensland Certificate of Education.
- Results are not used in calculation of a student’s overall position (OP), but are used for QCE calculation.
- Contain elements which give nationally recognised credit towards future TAFE courses, apprenticeships and traineeships.
- Are practical and ‘hands on’ in their orientation though they do contain theory elements.
- Expect you to ‘work hard’ – like you would ‘at work’.
- Students studying Authority Registered Subjects receive a Level of Achievement at Exit.

Vocational Education Subjects and Authority Registered subjects offered are:

- Business Procedures — Certificate II in Business
- Early Childhood Studies — Certificate III in Children’s Services
- English Communication — Authority Registered Subject, NO VET Certificate
- Hospitality — Certificate I and II in Hospitality (through TAFE)
- Information and Communication Technology – Certificate II in Information Technology
- Manufacturing — Certificate I in Construction
- Manufacturing — Certificate I in Engineering / Certificate I in Manufacturing (Pathways)
- Manufacturing — Furnishing Studies – Authority Registered Subject, NO VET Certificate
- Manufacturing — Industrial Graphics – Authority Registered Subject, NO VET Certificate
- Pre Vocational Maths – Authority Registered subject, NO VET Certificate
- Recreation Pursuits – Certificate II in Community Recreation (through TAFE)
- Religion & Ethics – Authority Registered subject, NO VET Certificate
VOCATIONAL EDUCATION & TRAINING (VET) COURSE

WHY DO THIS COURSE?

- To prepare directly for employment.
- If you prefer practical / ‘hands on’, work oriented subjects.
- It is still possible to gain entry to university by studying this course.
- To develop ‘work ready’ skills.

WHAT CERTIFICATION DO YOU GAIN?

- Senior Statement.
- Nationally recognised Vocational Certificate.
- A log book of your work skills.

ANYTHING ELSE?

- Work placement is compulsory.
- May gain a Queensland Certificate of Education.
- Do not do this as a ‘soft option’ – this is about Industry standards.

VET COURSE STRUCTURE

- English or English Communication
- Religion & Ethics
- Maths A or Pre-Vocational Maths
- Choice 1
- Choice 2
- Choice 3
- Choice 4

The VET course includes three or more VET subjects and may contain a mixture of Vocational Education and OP subjects.
ARE YOU INTERESTED IN WORKING IN?

Mackay’s booming:
- Industrial
- Mining
- Construction
Service and support industries eg
- Fitter and turner
- Diesel fitter
- Welder / fabricator
- Mechanic
- Auto electrician
- Construction worker
- Carpenter
- Electrician

1. INDUSTRY COURSE

A challenging and promising career in Administration and Organization eg
- Personal assistant
- Travel consultant
- Financial administration
- Professional receptionist
- Event promotion and Management

2. BUSINESS COURSE

Australia’s fastest growing sector:
- Social, Community Care and Services
eg
- Hospitality Preparation and Service
- Child Care
- Aged Care
- Community Development
- Youth Worker

3. LIFESTYLE COURSE

An area that will use and develop your creative talents:
- Artistic
- Technical
- Dramatic
Careers are possible in:
- Advertising
- Fashion
- Wood / metal design and fabrication
- Theatre
- Textile design and fabrication

4. DESIGN COURSE

READ ON
CONSIDER ENROLLING IN ONE OF THE FOLLOWING COURSES

What will St Patrick’s provide for you through these courses?

- Skills to make you employable.
- Nationally recognised certificates which count towards future study.
- Eight (8) weeks work placement in a career in your area of interest (in 2010, most students involved in work placement at St Patrick’s were offered employment as a direct result of their placement).
- St Pat’s will activate school-based apprenticeships and traineeships with you.
- An additional course in employability skills.

PLEASE NOTE: The precise subjects chosen in each of these courses are negotiable.

eg. English or English Communication
    Maths A or Pre Vocational Maths

1. Industrial Course

<table>
<thead>
<tr>
<th>Religion &amp; Ethics</th>
</tr>
</thead>
<tbody>
<tr>
<td>English or English Communication</td>
</tr>
<tr>
<td>Pre Vocational Maths</td>
</tr>
<tr>
<td>Manufacturing — Certificate I in Construction</td>
</tr>
<tr>
<td>Manufacturing — Certificate I in Engineering / Certificate I in Manufacturing (Pathways)</td>
</tr>
<tr>
<td>Manufacturing – Industrial Graphics</td>
</tr>
<tr>
<td>Information &amp; Communication Technology OR Business Procedures</td>
</tr>
</tbody>
</table>

2. Business Course

<table>
<thead>
<tr>
<th>Religion &amp; Ethics</th>
</tr>
</thead>
<tbody>
<tr>
<td>English or English Communication</td>
</tr>
<tr>
<td>Pre Vocational Maths</td>
</tr>
<tr>
<td>Business Procedures</td>
</tr>
<tr>
<td>Information &amp; Communication Technology</td>
</tr>
<tr>
<td>Early Childhood Education OR Hospitality</td>
</tr>
<tr>
<td>One (1) other VET OR OP subject.</td>
</tr>
</tbody>
</table>

3. Lifestyle

<table>
<thead>
<tr>
<th>Religion &amp; Ethics</th>
</tr>
</thead>
<tbody>
<tr>
<td>English or English Communication</td>
</tr>
<tr>
<td>Pre Vocational Maths</td>
</tr>
<tr>
<td>Hospitality Practices</td>
</tr>
<tr>
<td>Early Childhood Studies</td>
</tr>
<tr>
<td>Information &amp; Communication Technology</td>
</tr>
<tr>
<td>Business Procedures OR</td>
</tr>
<tr>
<td>One (1) other VET OR OP subject</td>
</tr>
</tbody>
</table>

4. Design Course

<table>
<thead>
<tr>
<th>Religion &amp; Ethics</th>
</tr>
</thead>
<tbody>
<tr>
<td>English or English Communication</td>
</tr>
<tr>
<td>Pre Vocational Maths</td>
</tr>
<tr>
<td>Manufacturing – Furnishing Studies</td>
</tr>
<tr>
<td>Manufacturing – Industrial Graphics</td>
</tr>
<tr>
<td>Drama / Art</td>
</tr>
<tr>
<td>Information &amp; Communication Technology</td>
</tr>
<tr>
<td>Business Procedures</td>
</tr>
</tbody>
</table>

* Two of these and two other VET or OP subjects
* Three of these and one other VET or OP subject
* Four of these
QUEENSLAND CERTIFICATE OF EDUCATION

What is it?

The Queensland Certificate of Education (QCE) is a school-based qualification awarded to young people at the completion of the senior phase of learning, usually at the end of year 12. It confirms a student’s achievement of:

- A significant amount of learning
- A set standard of achievement
- Meeting literacy and numeracy requirements

When does it start?

From 2006, new laws require all students to be registered with the Queensland Studies Authority (QSA) in the year before they turn 16.

How does it work?

The QCE recognizes broad learning options and offers flexibility in what, where and when learning occurs.

Different types of learning attract different credit values. A credit is the minimum amount of learning at the set standard that can contribute towards the QCE. Students must have 20 credits and fulfill literacy and numeracy requirements to be awarded a QCE. Plus you must study 3 subjects for 2 years and pass (gain at least a C standard).

Learning Accounts

All learning undertaken and achievements are recorded in a learning account. These achievements then convert to credits. As activities and studies are completed, the credits are banked and the learning account grows, just like a bank account.

The Senior Phase of Learning

Most students are awarded a QCE at the end of Year 12. Students who do not meet the QCE requirements at the end of Year 12 can continue to work towards their certificate – their learning account remains open, regardless of their age (however, credits expire after 9 years). The QSA will award a QCE in the following July or December, once a person becomes eligible.
### QCE CREDIT TABLE

#### Learning options and credit values

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Per credit level (as at the end of Year 12)</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Language</td>
<td>Equal to or above the QCE English Language level</td>
</tr>
<tr>
<td>English Literature</td>
<td>Equal to or above the QCE English Literature level</td>
</tr>
<tr>
<td>Mathematics A</td>
<td>Equal to or above the QCE Mathematics A level</td>
</tr>
<tr>
<td>Mathematics B</td>
<td>Equal to or above the QCE Mathematics B level</td>
</tr>
<tr>
<td>Science (Major)</td>
<td>Equal to or above the QCE Science (Major) level</td>
</tr>
<tr>
<td>Business Studies</td>
<td>Equal to or above the QCE Business Studies level</td>
</tr>
<tr>
<td>Economics</td>
<td>Equal to or above the QCE Economics level</td>
</tr>
<tr>
<td>History</td>
<td>Equal to or above the QCE History level</td>
</tr>
<tr>
<td>Geography</td>
<td>Equal to or above the QCE Geography level</td>
</tr>
<tr>
<td>Modern Languages</td>
<td>Equal to or above the QCE Modern Languages level</td>
</tr>
<tr>
<td>Australian Studies</td>
<td>Equal to or above the QCE Australian Studies level</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>Equal to or above the QCE Visual Arts level</td>
</tr>
<tr>
<td>Music</td>
<td>Equal to or above the QCE Music level</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Equal to or above the QCE Physical Education level</td>
</tr>
<tr>
<td>Visual and Performing Arts</td>
<td>Equal to or above the QCE Visual and Performing Arts level</td>
</tr>
<tr>
<td>Business Studies</td>
<td>Equal to or above the QCE Business Studies level</td>
</tr>
<tr>
<td>Economics</td>
<td>Equal to or above the QCE Economics level</td>
</tr>
<tr>
<td>History</td>
<td>Equal to or above the QCE History level</td>
</tr>
<tr>
<td>Geography</td>
<td>Equal to or above the QCE Geography level</td>
</tr>
<tr>
<td>Modern Languages</td>
<td>Equal to or above the QCE Modern Languages level</td>
</tr>
<tr>
<td>Australian Studies</td>
<td>Equal to or above the QCE Australian Studies level</td>
</tr>
<tr>
<td>Visual Arts</td>
<td>Equal to or above the QCE Visual Arts level</td>
</tr>
<tr>
<td>Music</td>
<td>Equal to or above the QCE Music level</td>
</tr>
<tr>
<td>Physical Education</td>
<td>Equal to or above the QCE Physical Education level</td>
</tr>
<tr>
<td>Visual and Performing Arts</td>
<td>Equal to or above the QCE Visual and Performing Arts level</td>
</tr>
</tbody>
</table>

#### Literacy and numeracy requirements

- **English**: English Language and English Literature
- **Mathematics**: Mathematics A and Mathematics B

#### What pathway will you take to your QCE?

**Example 1**
- English Language
- Mathematics A
- Business Studies
- History
- Geography

**Example 2**
- English Language
- Mathematics A
- Economics
- History
- Geography

**Example 3**
- English Language
- Mathematics A
- Modern Languages
- History
- Geography

[Visit www.qdec.qld.edu.au for more information on your QCE pathway options.]

April 2010
GENERAL INFORMATION

ASSESSMENT: GENERAL

Students are notified of all assessment dates through the assessment schedule (Year 11 pink, Year 12 green and online) published at the beginning of each semester and the exam timetable for each exam block. It is the student’s responsibility to ensure attendance or submission when assessment is due. Alternative dates for assessment in exceptional circumstances can only be arranged through the Assistant to the Principal, Curriculum. Where possible, the school should be notified in advance if a student is aware of other major commitments when assessment is being held.

Unless other prior arrangements have been made with the Assistant to the Principal, Curriculum, absence on the date an assignment is due or an in-class assessment or exam is held must be explained by a medical certificate or equivalent.

**Unless exceptional circumstances exist, exams must be completed at the assigned time.** The Assistant to the Principal, Curriculum after considering exam security and other factors, may allocate an alternative assessment date or an alternative exam. This will NOT be done for holidays or other inappropriate requests for exam changes. Exams MUST be done at the correct time.

ASSESSMENT: SPECIAL CONSIDERATION

Parents and students should be aware that under the system of school-based assessment that operates in Queensland within the guidelines established by the Queensland Schools Authority, the Principal has the final authority in awarding exit levels of achievement and the generation of subject assessment indicators (SAIs).

Special circumstances may arise within the four semester academic career of a senior student (serious/lengthy illness, major disruptions to a student’s family life, death in the family, etc) which may affect the performance and achievement of the student during that period of stress.

In such circumstances, parents are requested to lodge documentary evidence as close as possible to the period of stress in the form of:

- a letter requesting special consideration and the circumstances involved;
- a medical certificate if appropriate;
- any other documentary evidence.

This would ensure that special consideration may be made by the Principal at the end of the year in the generation and assignment of levels of achievement.

ASSESSMENT: EXAMS

Students must sit exams at the time allocated by the Assistant to Principal Administration. Changes to this are for medical or similar circumstances only. A list of ‘Exam Procedures’ is given to all students and they must follow these appropriately.

Remember these exams take the place of **EXTERNAL EXAMS** in other Australian States.
GENERAL INFORMATION (Continued)

ASSESSMENT : ASSIGNMENTS

A student who presents a reasonable case several days BEFORE THE DUE DATE to the relevant coordinator may be granted a reasonable extension of time. Class teachers do not have the authority to grant extensions. Multiple extensions must go through the Assistant to Principal Curriculum.

Any student who fails to submit an assignment on the due date without having been granted an extension will be dealt with according to QSA policy. Detention may be assigned for this purpose.

An assignment will be regarded as having been submitted on the due date if it is delivered by 4.00 p.m. or postmarked on that date. Faxed or emailed assignments will not be accepted unless by prior arrangement. Drafts are sighted and these may be used for assessment purposes if the final copy is not submitted. NON-SUBMISSION IS NOT POSSIBLE AS STUDENTS ARE REQUIRED TO COMPLETE ALL WORK—THIS MAY INVOLVE DETENTION. LATE SUBMISSION IS A PROBLEM—PLEASE FOLLOW COLLEGE PROCEDURE.

Students should submit drafts of assignments well before the due date so that teachers can provide feedback about possible problems or omissions.

Students should retain a copy of assignments as return of assignments is not possible. It is student’s responsibility to submit to the appropriate teacher – ALL students are to keep a copy of each assignment.

Assignments are retained by the college which will return only original documents, photos, etc that may form part of an assignment.

Staff will endeavour to return marked student scripts within three weeks of their submission.

ASSESSMENT : APPEALS PROCESS

If a student or parent wishes to appeal a grading awarded to a piece of assessment, an overall grading awarded to a unit of work, an interim SAI or position on an R6 ladder, the following staff should be approached in this order:

- the Subject Teacher
- the Subject Coordinator
- the Assistant to the Principal Curriculum
- the Principal

If a student or parent wishes to appeal a final special subject assessment or position on the R6 ladder or award of competency, the student or parent should approach the Assistant to Principal, Curriculum directly. If there is no resolution, the Assistant to the Principal, Curriculum will forward the matter to the appeals committee consisting of the Principal, Assistant to Principal, Curriculum and the appropriate Head of Department.

ASSESSMENT : TYPE

Formative Assessment:
- Designed to give students an indication of progress
- Not usually used in determining ratings for the senior statement
GENERAL INFORMATION (Continued)

Summative Assessment:
- Used in determining ratings for senior statement and calculating OPs
- May include work from year 11

A variety of types of assessment is used throughout senior studies e.g. written examinations, orals, assignments, practical exercise reports, demonstrations, multi media (computer aided), field trips, reports and worksheets.

OVERALL POSITION (OP)

The mechanism used by universities and some TAFE courses to offer positions to school leavers is through a score known as the Overall Position (OP). To qualify for an OP, students must study at least five OP subjects and sit the Queensland Core Skills Test (QCS). The Queensland Studies Authority calculates the OP by a process of combination of the student’s subject results and school’s results on the QCS.

The OP is reported as a single number 1 – 25, 1 being the best result. The OP appears on a student’s tertiary entrance statement (TES) which is posted to each student along with the senior statement in late December of their senior year.

TERTIARY ENTRANCE STATEMENT (TES)

Each student who studies an OP course and sits the QCS test will receive, along with the senior statement, a tertiary entrance statement (TES).

The TES is issued by the Queensland Studies Authority (QSA) and contains the student’s OP and the score in one or more field positions (FP). In a very small number of cases the FP may be used as an influence on entry to tertiary institutions.

More information on the FP is available from the Assistant to the Principal, Curriculum at the college.

TIMETABLE RESTRICTIONS

IT WILL NOT BE POSSIBLE TO OFFER EVERY COMBINATION OF SUBJECTS. Students will be asked to indicate their initial subject choices to the college and these will then be sorted on the basis of internal compatibility, staffing and facility availability. Usually, 90% of students are able to achieve their initial choice. Students need to choose their subjects carefully as the options narrow with each round of subject selection.

It is impossible to accommodate the preference of every student, and some students may be asked to reselect one or two subjects.

The college reserves the right not to offer a class of uneconomic size. This could mean that a particular subject is not offered at all. More importantly, it could mean that numbers will be restricted to one class only. Waiting lists will be used for those subjects for which there is a heavy demand.

SCHOOL BASED APPRENTICESHIP / TRAINEESHIP (SATS)

Students in all courses will have the opportunity to apply for part-time school-based apprenticeships and traineeships. These are advertised through the college and are competitive. Depending on the type of position and the student’s subjects, placement can be either out of school time or on one school day per week.
SUBJECT SELECTION

Please choose very carefully – subjects are studied for one semester (2 terms) not one term and students cannot change subjects until the end of each semester (a few small exceptions to this are possible eg Maths B to Maths A may be possible)

Other conditions are also relevant:

- Room in the subject
- Reason for change
- Compatible subjects
- Subject specific reasons

Do not choose subjects that include activities you do not wish to participate in eg in Physical Education / Recreational Pursuits you must swim.

In Film, Television and New Media you must come in during your own time and use the editing suite.

Drama requires you to attend the theatre (maybe out of hours).

All English subjects have an oral assessment component – these are to be presented in class.

REMEMBER:

1. You can only change at the end of each semester, not term.
2. You must keep three subjects for the entire two years even if you change schools.
3. You must keep three subjects for two years in all courses – no changes – and you must pass them for a QCE.
4. You must also fulfil literacy and numeracy requirements to be eligible for a QCE.
ACCOUNTING

OP SUBJECT

COURSE OVERVIEW

What is accounting - Accounting is an information system that provides financial and other information for making and evaluating decisions about the allocation of resources. It is a system of recording, reporting, analysing and interpreting the financial information of an accounting entity to interested parties.

What are the benefits - Students will develop knowledge of the nature and purposes of accounting, its role in business, and its relevance to business financial decision making by collecting, analysing and organising information.

Technologies will be used in Spread Sheeting, Internet, Word, PowerPoint and MYOB by communicating, recording, researching and presenting information.

SEMESTER UNIT TOPICS

Foundation Studies
- Introduction and nature of accounting
- General Journal, Accounts, Trial Balance
- Preparation of basic Statement of Financial Performance and Statement of Financial Positions
- Recording and Controls

Accounts Receivable and Accounts Payable
- Inventories
- Non-current Assets
- Internal controls
- Electronic business

Reporting and Decision making
- Classification of presentation of end of year reports
- Statement of cash flow
- Managerial decision making
- Budgeting

Accounting Package
- Difference between manual and computer accounting process
- Recording a variety of business transactions using an accounting package

Elective Studies (Choose one of)
- Understanding company reports
- Personal financing and investing
- Accounting for grazing enterprises
- Accounting for mining enterprises

ASSESSMENT OVERVIEW - How are students assessed?
Students will be assessed on a continuous basis. A variety of assessment techniques may be used eg objective/short response items, extended response items, practical application, response to stimulus, assignments and projects, research assignments and non-written presentations.

ADDITIONAL INFORMATION

Many career paths / careers in Accounting
AEROSPACE STUDIES

OP SUBJECT

- If you have an interest in aviation, this is a subject for you – a subject for both males and females!
- Aerospace Studies was introduced six years ago and is currently offered in about 25 schools in Queensland.
- St Patrick's is the only school in Mackay offering it. Aerospace Studies was started as there is a massive need for aviation employees already, with future needs predicted to increase greatly. In short, job prospects are great in aviation.
- Aerospace Studies is a QSA (Queensland Schools Authority) OP (Overall Position) subject. Like any OP subject, a good result in Aerospace Studies will help your OP score. In terms of difficulty, Aerospace Studies would be about the same level of difficulty as Science 21.
- The main topics include: basic aeronautical knowledge, aircraft systems, airport and airline operations, aircraft accidents, safety systems, aviation business, air traffic control, meteorology, space travel, navigation systems and aviation laws.
- Aerospace Studies has many practical components such as model plane building, water and engine rockets, flight simulation (we have a computer and control yoke for each student), air crash investigation viewing, etc. In addition, we have many professional power point presentations provided by Aviation Australia.
- The course will involve field trips to: the Mackay traffic control tower, CQ rescue, Air Pioneer (a local flight school) to see how planes operate and for a joy flight if so desired. In Year 12, there is a three day trip to Aviation Australia (Australia’s main training facility in aviation) in Brisbane as well as the Brisbane Airport.
- Pupils who study this course can also decide to go on and begin actual pilot training if they wish though this is not a mandatory part of the course. This can be done through our industry partner, Air Pioneer, and has to be done in the student’s own time. The theory units in Aerospace Studies are aligned with the theory components that a potential pilot must pass to get a Private Pilot’s License so you would be at a huge advantage should you choose to go ahead and get your pilot’s license.
- This course will help you gain employment in many jobs within the aviation industry, including piloting, avionics, aircraft maintenance, cabin crew, air traffic control, administrative jobs with airlines and airports, etc. It will also hold you in good stead should you choose to join the armed forces.
- The assessment is like any OP subject in that there will be assignments, exams and reports to do.
- St Patrick’s is a ‘Project School’ in Aerospace studies which means we are given many benefits such as direct entry into various university courses for students who do well and various lucrative awards are also on offer. As well, the teacher is a member of the State Panel for Aerospace Studies which means we keep abreast of the latest developments and remain at the cutting edge of this exciting subject.
ANCIENT HISTORY

OP SUBJECT

COURSE OVERVIEW

Ancient History as a subject at senior level aims to provide a knowledge and appreciation of the main ancient civilizations and their place in the overall fabric of world history. This is done via the acquisition of research and writing skills as well as a knowledge base through which analytical abilities can be developed. Through the study of Ancient History, we can understand how the modern world has been influenced by the peoples and achievements of the distant past. Through a study of early peoples and cultures, we can understand the process of change and continuity that have shaped today’s world, their causes and the roles people have played in those processes. Ancient History is a fascinating area of study, rich in wonderful stories of human endeavour, achievement and disaster.

WHAT DO STUDENTS LEARN?

The Ancient History syllabus offers a range of 22 various themes and inquiry topics focussing on, for example:

- specific geographical regions and civilizations, such as society and government in Greece and Rome, Pharaonic Egypt, and ancient China and India;
- ancient societies using a central concept, such as power, conflict, religion, the arts and everyday life;
- major ancient civilizations of the Middle East, Greece and Rome, as well as the emerging areas of interest in Asia and Central and South America. The syllabus also makes available the study of the medieval period.

The course that students study will:

- Include a study of archaeology, either as a separate theme, or integrated into a number of inquiry topics;
- Include a number of briefer studies (background, comparative, linking) to ensure that students can place the inquiry topics within a broader understanding of the history of the period or theme being studied;
- Include some study of Australia, either as a separate inquiry topic, or integrated into an inquiry topic as a comparative or related study.

ASSESSMENT OVERVIEW

Formal tests, essays written under examination conditions, document studies and research projects are used in the determination of student achievement.

ADDITIONAL INFORMATION

Ancient History is a 'life' subject and develops social skills such as communication, cooperation, constructive listening and critical thinking.

It is also valuable in a variety of careers, for example: teaching, journalism, art and tourism.
BIOLOGY

OP SUBJECT

COURSE OVERVIEW

Participation in biology enables students to engage in creative scientific thinking and to apply their knowledge in practical situations. The study of Biology will help students foresee the consequences of their own and society’s activities on the living world.

SEMESTER UNIT TOPICS

- Introductory Biology (Cells; Classification)
- My Body
- Adaptations
- Ecology
- Reproduction and strategies for survival
- Detecting and Responding (Coordinating regulating; The search for better health)
- Evolve or Perish
- Independent Research Project
- Genetics and its engineering

ASSESSMENT OVERVIEW

Students are assessed under three criteria:

- Understanding Biology
- Investigating Biology
- Evaluating Biological Issues

TEST INSTRUMENTS

- Extended Experimental Investigation
- Field Study
- Written Task
- Extended Response

ADDITIONAL INFORMATION

Excursion cost of $100 - $120 approximately over two years. Field work is a compulsory component of the course.

PREREQUISITES:

Sound Achievement in Year 10 Science / Level 5 Science
Sound Achievement in Year 10 English / Level 6 English
BUSINESS COMMUNICATION & TECHNOLOGIES

OP SUBJECT

COURSE OVERVIEW
Students will gain and apply knowledge of various business situations in written, oral and computer-generated documents by following a range of office practices and procedures. Students will gain skills in a number of computer software packages e.g. Word, Excel, Database, PowerPoint, Internet and Email, which will be integrated throughout the course. Organising, planning and working as a team will be developed throughout the course.

BSB 20107—CERTIFICATE II IN BUSINESS
- BSB2HS201A Participate in OHS processes
- BSBWOR202A Organise and complete daily work activities
- BSBCCMM201A Communicate in the workplace
- BSBWOR203A Work effectively with others
- BSBWOR204A Use business technology
- FNSICGEN305A Maintain daily financial / business records
- BSBITU201A Produce simple word processed documents
- BSBITU202A Create and use spreadsheets
- BSBSUS201A Participate in environmentally sustainable work practices
- BSBITU303A Design and produce text documents
- BSBNM201A Process and maintain Workplace Information
- BSBITU301A Create and use databases OR
- BSBITU302A Create electronic presentations

TOPICS OF STUDY
- Workplace health, safety and sustainability
- Business and Work Environment
- Industrial Relations
- Managing Workplace Information
- International Business Communication
- Workplace Communications
- Workteams
- Computer Operations
- Financial Records
- Organisational Skills

ASSESSMENT OVERVIEW
Students will be given a level of achievement in knowledge and understanding, reasoning processes and skills and procedures; and have the opportunity to gain competencies in BSB20107 Certificate II in Business Procedures.

Throughout the year there will be a balance of assessment techniques i.e. short and long written responses, spoken and multimodal presentation, practical tasks and integrated projects, demonstrations of information and teacher observations of student skills.

ADDITIONAL INFORMATION
Students may have the opportunity to apply for school-based traineeships or full time traineeships in business procedures.

CAREER PATHWAYS
- TAFE & Training Organisations; Certificates in Business; Diplomas in Business
- Business (Communication) Business (International Business) Business Administration
- Communication Education (BCT) Graduate Certificates

CAREERS
- Public administration Legal Banking Retail
- Tourism and hospitality Insurance Travel
- Health care

NB: Students must choose one (1) only of the following subjects: Business Communication & Technologies or Business Procedures as they contain common core and competency units.
CHEMISTRY

OP SUBJECT

COURSE OVERVIEW

The program is intended to provide students with a balanced perspective of chemical science which will enable them to understand and interpret the chemistry of their surroundings and to appreciate the impact of chemical knowledge and technology on society.

SEMESTER UNIT TOPICS

- What Matters (Matter; Materials – Bonding)
- Gas behaviour
- Energy (Portable fuels; Transport – a necessary evil)
- Rates of Reactions
- Electrochemical reactions
- Equilibrium systems
- What we drink
- Forensic chemistry

ASSESSMENT OVERVIEW

Students are assessed under three criteria:

- Knowledge and Conceptual Understanding (KCU)
- Investigative Processes (IP)
- Evaluating and Concluding (EC)

Assessment tasks include the following:

- Supervised assessment — done under exam conditions
- Extended Experimental Investigation

There are usually two to three different assessment tasks per semester.

ADDITIONAL INFORMATION

Chemistry is a prerequisite subject for many tertiary courses in the science field and it provides a useful knowledge base for many fields of employment.

PRE REQUISITES

Year 10 advanced / extension mathematics / Level 6+ Algebra
DRAMA

OP SUBJECT

COURSE OVERVIEW

The study of Drama provides a learning environment that promotes imagination, critical thinking, cultural engagement, communication, creativity and problem-solving through a knowledge of oral, visual and aural dimensions.

Drama explores and celebrates humanity within ‘a real, imagined and mediatised world’. It connects students to their own creative processes and provides opportunities to explore beliefs, feelings, behaviour and relationships, providing them with skills to manage interpersonal and intrapersonal experiences to ensure they are innovative thinkers, adept communicators and excellent team players.

SEMESTER UNIT TOPICS

Semester 1

1. CIRCUS: Physical Theatre and Improvisation
2. AT HOME: The Australian Character

Semester 2

3. THE BIG PICTURE: Expressions and Socio-political Theatre
4. GET REAL: Realism and Symbolism

Semester 3

5. UNIVERSAL QUESTIONS: The Modern Tragedy
6. LAUGH LINES: Comedy Theatre

Semester 4

7. MASQUE: Mask Theatre or Music Theatre
8. INTO THE MIND: The Psychological Character

ASSESSMENT OVERVIEW

Students are assessed in the three dimensions of:
- Forming
- Presenting
- Responding

A balance will be reflected in the dimensions, the course content and the ratio of individual to group work.

ADDITIONAL INFORMATION

Students will be expected to visit live theatre regularly and be prepared to utilize out-of-class-time for public performance and rehearsal.

The ability and willingness to work in a team is crucial to successful achievement in this course.
ECONOMICS

OP SUBJECT

COURSE OVERVIEW

Economics is about choice and making decisions relating to management of valuable resources. It is about the effects of supply and demand, understandings which are vital to make rational decisions about economic, political and social issues. Economic decisions are relevant on a personal level when we consider whether to buy a car, vote in an election or invest in a business. Furthermore, because government and business decisions are linked to world events, the study of Economics delivers an understanding of the global economy.

WHAT DO STUDENTS LEARN?

- the significance of local, national and international economic events
- the implications of individual, business and government economic decision-making
- how to apply economic skills and concepts to the problems and issues facing Australian society
- the skills and competence to participate effectively in and contribute to economic decision-making.

SEMESTER UNIT TOPICS

Units are broken into core and elective topics. One core topic must be studied each semester. A minimum of five and a maximum of seven elective topics are to be studied over the two years.

The four core topics are:

- Circular flow and price mechanism
- The economics of labour
- Contemporary economic management
- International economics.

Examples of the seventeen elective topics are:

- Population
- Finance
- Economics of Tourism
- Stock market
- Personal economics
- Economics of trade

ASSESSMENT OVERVIEW

A variety of assessment instruments are used to determine student achievements. These may include: content tests, analysis of newspaper articles, and cartoons, document studies (e.g. budget papers), seminar presentations, essays and research projects.

ADDITIONAL INFORMATION

Economists are required in a variety of jobs including: business management, banking and finance systems, secondary teaching, regional planning and development, journalism, marketing and the public service.

Economics is a ‘life’ subject and develops social skills such as communication, cooperation, constructive listening, critical thinking and decision-making. Students must be willing to maintain a regular interest in economic and political matters through the media.
ENGLISH

OP SUBJECT

COURSE OVERVIEW

Success in English is central to success in all Senior studies. Enormous changes in the cultural
development of students occur as a result of mastery of written language and the ability to read
well. The course begins with an introduction to critical theory. This is followed by a selection of units
on Australian literature.

In Semester 2, 3 and 4 the students are offered a variety of themes to study related to the
integrating frameworks.

SEMESTER UNIT TOPICS : INTEGRATING FRAMEWORKS

Semester 1  Australian Landscapes – an examination of constructions and representations of
identity in Australian literary and non-literary texts.

Semester 2  Cult Fiction – an analysis of the power of the texts of Popular Culture to position
readers.

Semester 3  Reading Realities – an exploration of how classic texts are privileged as part of the
recognized canon.

Semester 4  The Outsider – an evaluation of representations of the anti-hero or outsider in literary
and non-literary texts.

ASSESSMENT OVERVIEW

Year 11 is formative to prepare for the summative assessment of year 12. In year 12 students
prepare a variety of oral and written tasks. From these the student prepares an exit folio of six (6)
tasks that covers a variety of conditions, audiences, purposes and styles.

Vocational Education students may also participate most successfully in this subject and negotiate a
more convenient assessment schedule.

ADDITIONAL INFORMATION

Please Note Well

Students and parents are reminded of the policy of assignment submission which is contained in the
college’s introduction booklet. In justice to all, a strict application of the policy will apply.
ENGLISH EXTENSION – LITERATURE

OP SUBJECT

This subject is for semester 3 and 4 only (Year 12)

Students who elect to study English Extension must also continue their study of English for semesters 3 and 4.

COURSE OVERVIEW

The syllabus is built around a framework which draws on four contemporary approaches to reading. Each of these approaches is underpinned by a range of literary theories.

STUDY UNITS

Units may include crime fiction, children’s literature and world fiction (any country). The texts students select may range across contemporary and historical literary fiction and nonfiction, film television, hypertext, and other contemporary and emerging literary genres.

ASSESSMENT OVERVIEW

Students complete three major tasks. Assessment is criterion-based and is designed to help students to demonstrate achievement in the objectives of the syllabus. Assessment is both written and spoken.

ADDITIONAL INFORMATION

Given that the challenge of the subject includes increased cognitive demands and assessment task requirements, as well as expectations of accelerated independence in learning, it is recommended that students make an informed decision. The student ought to have performed at a high level in Year 11 English with a good understanding of critical literacy.

Please note this subject is conducted offline and students are required to attend one afternoon and some lunch times.
FILM, TELEVISION & NEW MEDIA

OP SUBJECT

PREREQUISITE

Students must be good, independent workers. Students must be consistently ‘C’ or higher in ALL subjects.

COURSE OVERVIEW

Through a range of processes, the generation and analysis of ideas, the creation of a new film or television product and the critique of film and television texts, students should develop knowledge, understanding, technical and group skills, critical thinking and aesthetic appreciation.

SEMESTER UNIT TOPICS

- Introduction to Film, Television and New Media
- Imagining Hollywood
- Australia on Screen
- Glued to the Box
- World Cinema
- Film Festival

ASSESSMENT OVERVIEW

Three dimensions:
- Design
- Production
- Critique

Five key areas:
- technologies
- representations
- audiences
- institutions
- languages

ADDITIONAL INFORMATION

Film, Television & New Media requires considerable ‘out-of-school’ time for filming, editing and production process.
GEOGRAPHY

OP SUBJECT

COURSE OVERVIEW

Geography is the study of human and natural characteristics of places and the interactions between them. Geography is a rich and complex discipline focussing on the spatial dimension (where things are and why they are there) and the ecological dimension (how humans interact with environments).

Geographers are concerned with problem-solving and see any issue in terms of these dimensions in an effort to fully understand the nature and implications of planning and decision making.

SEMESTER UNIT TOPICS

Each semester examines a different series of issues and the listing below is a sample rather than definitive. Units include:

- Managing the natural environment
  - Responding to natural hazards
  - Catchment management
  - Coastal management

- Social environments
  - Sustaining communities
  - Recreation, tourism and environment

- Resources and the environment
  - Living with climate change
  - Sustaining biodiversity

- People and development
  - Feeding the world’s people
  - Exploring the geography of gender

- Resources, development and environment
  - Sustainable biodiversity
  - Issues in land use and resource management.

ASSESSMENT OVERVIEW

A variety of instruments may be used: tests (short-answer; data response and practical exercises), essays written under examination conditions, field reports and research assignments, non-written responses and media items.

ADDITIONAL INFORMATION

Students find senior Geography useful if considering a future in teaching, the media, law, scientific pursuits, conservation or wildlife work, agricultural research or planning, travel, politics, the diplomatic corps and areas that utilize skills of reasoned opinion-making and critical argument.

Students must be prepared to read and maintain an interest in the media to monitor current developments in global affairs. Due to the nature of the subject of Geography, field trips are essential and could lead to an additional cost of up to a total of $50 - $60 over two years.
GRAPHICS

OP SUBJECT

PREREQUISITE

A student who has not studied Graphics to year 10 and is considering this course would need to have displayed a high level of application to his/her previous studies and be prepared to undertake extra work as required to enhance knowledge of fundamental drawing principles. Additional private tutoring may be required.

COURSE OVERVIEW

The ability to communicate effectively is an essential requirement in every field of endeavour and often, speech and writing cannot adequately fulfil our communication needs. Graphical communication, the universal language, is seen as an effective and efficient means of supplementing or replacing the spoken or written word.

CONTEXTUAL UNITS

Senior Graphics has as its basis three contextual units:

- Business graphics
- Product design
- Built environment

ASSESSMENT OVERVIEW

For each unit:

- class work selected to develop a foundation of underpinning knowledge – self assessment;
- context based folio (assignment) for each unit assessing knowledge, reasoning and presentation;
- two short response tests per annum for each unit assessing knowledge and understanding and reasoning.

ADDITIONAL INFORMATION

Students who wish to pursue a career in architecture, built environment, engineering, industrial technology, industrial design or trades are advised to consider this subject.
HOME ECONOMICS

OP SUBJECT

COURSE OVERVIEW

The belief that today’s actions and attitudes determine present and future wellbeing is central to Home Economics. Home Economics education promotes action in pursuit of individual and family wellbeing in the context of maintaining healthy and sustainable local and global communities.

Home Economics teaches students skills required to respond to a range of challenges in their personal, family, community and work roles. The course assists students to take control of their health and develop health promoting food behaviours, make informed, responsible and ethical consumer decisions, prepare nutritious foods and balance work, personal responsibilities and leisure. Students acquire knowledge of a range of textiles, their properties, applications and care, as well as practical skills in relation to garment construction and various textile crafts. Home Economics helps students to understand and confront the way they influence and are influenced by broad societal factors such as media, advertising, peer pressure, government policies and changing technologies.

TOPICS OF STUDY

The study program will cover a combination of the following units.

- Nutrition and Food
  - Food science
  - Food technology and the consumer
  - Sustainable food futures
  - Food, nutrition and the life cycle
  - Contemporary issues in food and nutrition.

- Individuals, Families and Communities:
  - Personal development and the impact of communication technologies
  - Eco friendly housing for the modern family

- Textiles and Fashion:
  - Design and textile decoration
  - Textile science and the consumer and the environment
  - Creating with textiles.

ASSESSMENT OVERVIEW

Students will be given a level of achievement in:

- Knowledge and understanding
- Reasoning and communicating processes
- Practical performance
INFORMATION PROCESSING & TECHNOLOGY

OP SUBJECT

COURSE OVERVIEW

The course is a study of the nature and functions of information processing and associated technology. It deals with the creation, manipulation, storage, retrieval and communication of information. This course is not primarily concerned with teaching programming languages, instead its objective is in developing skills in problem solving and design. It also provides opportunities for the development of various key competencies.

Course topics
The course is not semesterised but covers topics to an increasing depth.

Relational Information Systems: This topic emphasises problem solving and design in an information system context (database design and manipulation). Students will design a solution using the Software Development cycle and will implement with software packages Structured Query Language (SQL) and Microsoft Access. Topics include Database, Conceptual Schema Design, System Security, Privacy, and Integrity of Various Systems.

Software Programming & Algorithms: This topic involves the study of software development and Algorithm Design. Topics include Algorithms theory and design, Software programming using Visual Basic.Net and Robolab, Game making and Web applications. This topic provides the integration of current games making software together with web design that allows for student interaction.

Human-computer interaction: This topic focuses on the importance of the interface design between user and the computer. Students will investigate how humans come to understand the workings of information and communication in today’s changing world.

Social and Ethical Issues: This topic will be integrated with Relational Information Systems and Software Programming. It addresses the impact information technology has on society and the implications it has for people in the industry. Topics include: Social and Ethical Issues, Privacy and Security, Legal Issues, Equity and Accessibility, the Internet and other current issues (My Space, Facebook).

Additional Material - Robotics (Intelligent Systems). This topic provides an innovative and interesting method to explore the world of Programming and Artificial Intelligence. Students work in teams communicating to solve solutions using a revolutionary microcomputer as the brain behind the Lego inventions student create and program in a user friendly environment using the latest infrared technology.

Computer Systems. – This topic covers Computer Systems Architecture from past to present, Operating Systems and the meaning of Computer terminology.

ASSESSMENT OVERVIEW

Assessment will include:
- Mid semester and end of semester exams
- Major and minor projects
- Oral and written tasks.

ADDITIONAL INFORMATION

The study of this course will contribute in a significant way to the general education of students, whether or not they intend proceeding to further studies or employment specific to information technology. However, it is also valuable in a variety of careers eg Software Engineer, Systems Administrator, Teacher, Programmer, Analyst, Engineering, Multimedia developer, Business etc

NB: Students may choose to also study Information Technology Systems (ITS)
INFORMATION TECHNOLOGY SYSTEMS

ICA20105 - CERTIFICATE II IN INFORMATION TECHNOLOGY (GENERAL APPLICATION)
OP SUBJECT WITH VET UNITS

COURSE OVERVIEW

Information Technology Systems seeks to prepare students to meet the rapid change and be responsive to emerging technologies and trends, as well as understand specialist and technical aspects of the computing area. It offers students the chance to achieve a Certificate II outcome in Information Technology, as well as gaining a level of achievement in the subject. Focus of course will enhance an internet infrastructure.

COURSE TOPICS

This certificate (Certificate II In Information Technology - ICA20105) provides skills in advanced use of software application – Multimedia and Web design.

Units included will be:
- ICAU1128B Operate a personal computer
- BSNCMN106A Follow workplace safety procedures
- ICAD2012B Design organisational documents using computer packages
- ICAU2005B Operate computer hardware
- ICAU2006B Operate computer packages
- ICAU2013B Integrate commercial computing packages
- ICAU2231B Use a computer operating system
- ICAU3019B Migrate to new technology
- ICAW2001B Work effectively in an IT environment
- ICAW2002B Communicate in the workplace
- ICAD3218B Create user documentation
- ICAB3018B Develop macros and template for clients using standard products
- ICAU3126B Use advanced features of computer applications (Web pages, iPod Casting)
- ICTCC330B Manage customer relationships

ASSESSMENT OVERVIEW

Assessment will include:
- Examinations
- Major and Minor Projects
- Journal writing
- Writing Task
- Practical Tasks

ADDITIONAL INFORMATION

This course of study complements Information Processing and Technology by focusing on other areas of information technology. There is no requirement in this subject for students to undertake work placement, however, work placement offers students a broadening of experiences and practices of industry.

Career paths include:
- Software Engineer
- Software / Multimedia Developer / Game-Web Designer
- Systems Administrator
- Business Analyst
- Publishing / Design

NB Students may choose to also study Information Processing and Technology (IPT)
OP SUBJECT

PREREQUISITE
You must have achieved a Sound Achievement / Level 4 in Year 10 Japanese

WHY STUDY LOTE?
- To support Australia-wide initiatives to encourage students to study languages, most Universities in Queensland will offer two bonus QTAC ranks (about 1 point credit to your OP) for Languages other than English (LOTE) subjects for students applying to all courses, including Engineering, where academic achievement is the primary criterion for selection.
- Universities in other states award 1 point credit to your OP if you have studied LOTE to Year 12.
- Students who speak another language are often considered for jobs before those without another language.
- There are many scholarships available for travel and study in Japan.

COURSE OVERVIEW
- Japanese class is involved in the visit from Matsuura students, by home hosting and school visits.
- St Patrick’s often hosts Japanese exchange students. St Patrick’s language class students are lucky to have any Japanese students as members of their Japanese class.
- Students improve language skills and cultural knowledge through songs, emailing Japanese friends, origami with instructions in Japanese, watching excerpts of Japanese daily news / Sumo tournaments etc.
- Cooking is an important component each term, with ingredients and / recipes in Japanese. Knowledge of food / cooking contributes to student’s cultural understanding of Japan.
- Some topics covered in the course over the two years are:
  - Self introductions
  - Holiday and travel arrangements
  - Sports, fitness and health
  - Tourism and hospitality
  - Interests and hobbies
  - Future plans
  - Life as a teenager
  - Student exchanges
  - Family life
  - Part time work
  - Environmental issues
  - Working in Japan

ASSESSMENT OVERVIEW
Assessment is based on a system of profiling to indicate a trend, with emphasis on fullest and latest performance. There is at least one test in each skill per semester (i.e. at least two tests per term). There are no assignments.

JAPAN TOUR
There is a tour to Japan every year organised through the Mackay City Council who pay $1 000 towards the fare of each successful applicant. The tour is usually in the September holidays of each year.
LEGAL STUDIES

OP SUBJECT

COURSE OVERVIEW

Legal Studies examines the formation and application of the law, with a particular interest in Queensland legislation. The subject:

- aims to heighten student awareness of not only their legal rights and responsibilities, but the role of individuals in the law making process;
- focuses on the main areas of our law in depth, but without the detail required by a tertiary law course;
- equips students with sufficient knowledge about the law to know how it affects them in their daily lives, and to be informed and constructive critics of the legal processes in our society.

COURSE ORGANISATION

A course of study is organized around six sections, with at least two topics from Section D.

A. The legal system
B. Crime and society
C. Civil obligations – civil wrongs and agreement
D. You, the law and society: a choice of at least two of the following topics:
   - Family
   - Environment
   - Consumers
   - Technology
   - Rights and responsibilities
   - Sport
   - Environment
   - Jobs
   - Renting and buying
   - School-based elective unit
E. Independent Study
F. Overview — What is, or should be, the role of law in society?

ASSESSMENT OVERVIEW

In each semester, students are required to complete a variety of tasks including content test, essay, case study / response to stimulus, and research project.

ADDITIONAL INFORMATION

Legal Studies can be valuable in a variety of careers, for example, journalism, politics, teaching, tourism, marketing, public service, as well as useful in everyday life. Students must be willing to maintain a regular interest in legal matters by reading widely across a range of magazines, newspapers, and electronic data sources.
MARINE STUDIES

OP SUBJECT

COURSE OVERVIEW

Marine Studies is a diverse subject that provides students with a range of experiences in the marine environment. It provides a combination of theoretical knowledge and practical application through a blend of classroom activities and first-hand experiences. Because many of the topics included in the course are related to marine industries, Marine Studies can enhance students’ employment opportunities, establish a basis for their further education, and develop responsible attitudes towards the marine environment.

UNITS OF WORK

1. Personal Water Skills
2. Oceanography
3. Managing marine resources
4. Marine Biology
5. Boating
6. Navigation
7. Marine communication
8. Weather and tides
9. Recreational fishing

ASSESSMENT OVERVIEW

Students are assessed under the following criteria:
- Knowledge and Understanding
- Information Processing and Reasoning
- Skill

ASSESSMENT TASKS

- Written tests
- Practical activities
- Reports on a field activity or investigation
- An extended response (some parts under exam conditions)

ADDITIONAL INFORMATION

Marine Studies involves a significant amount of time spent on field trips, laboratory work, practical activities and excursions. Because of this, there are additional costs involved. The basic cost for the year is $250 which is intended to cover the core activities and resources. However, the elective activities may require additional costs (depending on the activity) during the year. Students need to be aware that ‘research’ and ‘field work’ are compulsory elements of the course. Some field work / activities may involve time outside normal school hours. An awareness and appreciation of safety in and outside the classroom is an integral part of this subject. The ability and the willingness to swim is essential.

PREREQUISITES

Level 5 Science / Sound achievement Year 10 Science
Level 6 English / Sound achievement Year 10 English
MATHEMATICS COURSE OVERVIEW

The college offers OP subjects Mathematics A, B and C, and Authority Registered subject Pre-Vocational Maths.

Students may take the following courses:

- Mathematics A only (4 semesters)
- Mathematics B only (4 semesters)
- Mathematics A & B (8 semesters)
- Mathematics B and C (8 semesters)
- Pre-Vocational Maths (4 semesters).

In recent years, the range of career opportunities requiring an advanced level of mathematical competence has expanded dramatically.

No longer are careers in fields such as physical sciences, engineering and accounting the only ones requiring a high level of training in mathematics.

Advances in technology have resulted in an increased need for, and use of, mathematical skills as important tools in fields such as geography, biology, environmental science, art, economics, fashion design, management and psychology.

ADDITIONAL INFORMATION

If a student is capable of doing Mathematics B, they should attempt it. If a student is a Vocational Education course student, studying Mathematics B may be difficult at times because of absence from school during structured work placement.

Even though Mathematics C is not a pre-requisite for most university courses, the universities regard it as a desirable subject for some courses (particularly for Engineering). A student who is very good at mathematics should consider this subject for one of their options.

The Mathematics B and Mathematics C courses are not semesterized, but “spiral” i.e. it covers the topics to an increasing depth on each revisit. This implies that changing Mathematics courses is not easy, and selection of the ‘correct’ course at commencement of year 11 is extremely important.

PREREQUISITES

Mathematics B / C
Sound achievement in Extension Maths or at least attempting three level 6+ topics (one must be algebra) is required for both Mathematics B and Mathematics C.

Mathematics A
Sound achievement in Core Maths or at least attempting three level 6 topics for Mathematics A.

Pre-Vocational Maths
No prerequisite for Pre-Vocational Maths

Variations from the prerequisites may be allowed after full discussion between parents and the department through the college administration. Students should consult the tertiary entrance handbook for prerequisites in particular university courses.
MATHEMATICS A

OP SUBJECT

COURSE OVERVIEW

Mathematics is an integral part of a general education. It can enhance understanding of our world and the quality of our participation in a rapidly changing society. Mathematics pervades so many aspects of daily life that a sound knowledge is essential for informed citizenship. Through enhanced understanding of mathematics, individuals can become better informed economically, socially and politically in an increasingly mathematically oriented society.

Mathematics A emphasises the development of positive attitudes towards the student’s involvement in mathematics. This development is encouraged through the use of relevant personal and work-related learning experiences. There is also a focus on the development of mathematical knowledge and understanding through investigative and explorative approaches to learning. These approaches provide opportunities to work collaboratively and cooperatively in teams as well as individually.

Mathematics A involves the study of Financial Mathematics, Applied Geometry, and Statistics and Probability. These are used to develop:

- Knowledge and skills of computation, estimation and measurement
- Simple algebraic manipulation
- A capacity to interpret and analyse information presented in a variety of forms
- The ability to make judgments based on evidence and reasoning
- A capacity to justify and communicate results in a variety of forms.

Mathematics A aims to provide the opportunity for students to continue to participate fully in lifelong learning. It is recommended for students wishing to pursue further study and training at tertiary level in areas such as:

- Toolmaking, sheet-metal working, fitting and turning, carpentry and plumbing, auto mechanics
- Tourism and hospitality
- Administrative and managerial employment in a wide range of industries
- Architecture and nursing

ASSESSMENT OVERVIEW

Assessment will consist of formative class tests to assist students and teachers with the progress that students are making and summative assessment that will contribute to the exit level of achievement.

Student performance will be judged on the following three criteria in assessment tasks:

- Knowledge and Procedures
- Modelling and Problem-solving
- Communication and Justification.

The types of assessment technique that may be used include the following:

- Extended modelling and problem-solving tasks
- Reports
- Supervised tests

Prerequisite – as per page 38.
MATHEMATICS B

OP SUBJECT

COURSE OVERVIEW

Mathematics is an integral part of a general education. It enhances an understanding of the world and the quality of participation in a rapidly changing society. It is a truly international system for the communication of ideas and concepts, and has developed over many thousands of years through contributions by scholars of both ancient and present-day cultures around the world. Mathematics is:

- a unique and powerful way of viewing the world to investigate patterns, order, generality and uncertainty
- a way of thinking in which problems are explored through observation, reflection, and logical, inductive or deductive reasoning
- a powerful, concise and unambiguous symbolic system with written, spoken and visual components
- a creative activity with its own intrinsic value, involving invention, intuition and exploration.

Mathematics B involves the study of mathematical functions and their applications, differential and integral calculus and applied statistical analysis. These are used to develop:

- knowledge and skills in advanced computation and algebraic methods and procedures
- mathematical modelling and problem-solving strategies and skills
- the capacity to justify mathematical arguments and make decisions
- the capacity to communicate about mathematics in a variety of forms.

Mathematics B aims to provide the opportunity for students to participate more fully in lifelong learning. It is recommended for students wishing to pursue further study and training at tertiary level in areas such as:

- mathematics and science education
- natural and physical sciences, especially physics and chemistry
- medical and health sciences, including human biology, biomedical, nanoscience and forensics
- engineering sciences, including avionics, chemical, civil, communications, electrical, mechanical and mining
- information technology and computer science, including electronic and software
- mathematical applications in:
  - energy and resources – management and conservation
  - climatology
  - design and built environment
  - industry, manufacturing and trades
  - business and tourism
  - primary industries and environment
  - economics and commerce
  - statistics and data analysis
- pure mathematics

ASSESSMENT OVERVIEW

Assessment will consist of formative class tests to assist students and teachers with the progress that students are making and summative assessment that will contribute to the exit level of achievement.

Student performance will be judged on the following three criteria in assessment tasks:

- Knowledge and Procedures
- Modelling and Problem-solving
- Communication and Justification.

The types of assessment technique that may be used include the following:

- Extended modelling and problem-solving tasks
- Reports
- Supervised tests

Prerequisite – as per page 38.
MATHEMATICS C

OP SUBJECT

Mathematics is an integral part of a general education. It enhances an understanding of the world and the quality of participation in a rapidly changing society. It is a truly international system for the communication of ideas and concepts, and has developed over many thousands of years through contributions by scholars of ancient and present-day cultures around the world. Mathematics is a:

- unique and powerful way of viewing the world to investigate patterns, order, generality and uncertainty
- way of thinking in which problems are explored through observation, reflection and logical, inductive or deductive reasoning
- powerful, concise and unambiguous symbolic system with written, spoken and visual components
- creative activity with its own intrinsic value, involving invention, intuition and exploration.

Mathematics C involves the study of mathematical concepts such as groups, Real and complex number systems, matrices, vectors, calculus, mathematical structures, linear programming, conics, dynamics, and advanced periodic and exponential functions. These are used to develop:

- knowledge and skills in advanced computation and algebraic methods and procedures
- mathematical modelling and problem-solving strategies and skills
- the capacity to justify mathematical arguments and make decisions
- the capacity to communicate about mathematics in a variety of forms.

Mathematics C is a companion subject to Mathematics B. It aims to extend the competency and confidence of students in mathematics beyond the scope of Mathematics B, to build on and combine many of the concepts introduced in Mathematics B (in particular in the study of vectors, matrices and calculus), and to provide further opportunity for students to participate more fully in lifelong learning. Mathematics C is recommended for students wishing to pursue further study and training at tertiary level in areas such as:

- mathematics and science education
- natural and physical sciences, especially physics and chemistry
- medical and health sciences, including human biology, biomedical, nanoscience and forensics
- engineering sciences, including avionics, chemical, civil, communications, electrical, mechanical and mining
- information technology and computer science, including electronic and software
- mathematical applications in:
  - energy and resources – management and conservation
  - climatology
  - design and built environment
  - industry, manufacturing and trades
  - business and tourism

ASSESSMENT OVERVIEW

Assessment will consist of formative class tests to assist students and teachers with the progress that students are making and summative assessment that will contribute to the exit level of achievement.

Student performance will be judged on the following three criteria in assessment tasks:

- Knowledge and Procedures
- Modelling and Problem-solving
- Communication and Justification.

The types of assessment technique that may be used include the following:

- Extended modelling and problem-solving tasks
- Reports
- Supervised tests

Prerequisite – as per page 38.
MODERN HISTORY

OP SUBJECT

COURSE OVERVIEW

Modern History involves developing investigative skills in relation to the peoples, societies and cultures of the recent past and contemporary times. How societies function, adapt and change is important to understand if our future is to be positive. To comprehend the way in which ideas and action have caused events and effected change is crucial in modern times, and senior studies in Modern History can contribute to broadening that understanding.

SEMESTER UNIT TOPICS

Students study a variety of cultures and topics from the last 200 years with the focus predominantly on the 20th century.

The course of study is based on a number of themes. Some examples of the sixteen themes are:

- Studies of conflict
- Studies of cooperation
- Studies of power
- The history of ideas and beliefs
- National history
- School-based theme

Within each theme, some opportunity for individualised study and topic selection exists to cater for students’ particular interests.

ASSESSMENT OVERVIEW

Formal examinations are used to test student knowledge in short-answer tests, essay-style and other extended writing tasks. Oral work (seminars, vivas, panel discussions) and research-projects supplement test work. **Students must be prepared to read and research widely in order to achieve to their potential.**

ADDITIONAL INFORMATION

Modern History can be valuable in a variety of careers that require interpersonal contact of a high order. Examples include teaching, journalism, media-work, entertainment, art, design, tourism, catering and personal services, marketing, law, the public service and any field that utilizes skills of negotiation and assessment of alternatives and options. History is a "life" subject and develops social skills such as communication, co-operation, constructive listening, critical thinking and decision-making. In that regard, its value to society at large is immense.

Students must be willing to read widely and maintain a regular interest in the media through magazines, newspapers and electronic form.
MUSIC

OP SUBJECT

PREREQUISITE

It is desirable for the student to have studied and completed Year 10 Music and to have attained at least a Sound achievement. However, the student may be able to enter the subject if they studied an instrument as well as Theory of Music privately. It is necessary for students to be able to play an instrument and read music. A standard of at least Grade 4 Theory of Music would be expected for students to be able to succeed with music at a senior level. If this is not the case, it is mandatory that students/parents speak with the music teacher before selecting the subject.

COURSE OVERVIEW

The course of study is organised around a series of units where students build their knowledge, understanding and skills through the ‘experience of music’ with emphasis being evenly distributed between Analysing Repertoire, Composing and Performing.

Analysing Repertoire:
Students deconstruct repertoire and determine the relationships between identified musical elements and compositional devices and evaluate how these relate to context, genre and style.

Composing
Students combine the musical elements and compositional devices to create music that is within a context and/or genre, and which expresses style.

Performing
Students, through playing, singing or conducting, interpret musical elements to communicate the music to audiences (real or virtual), with a context and genre while expressing style.

UNIT TOPICS OF STUDY

Topics studied over the two years may include:
- Music of the 20th Century
- Vocal Music
- Rock and Pop Music
- Music of the Theatre
- Instrumental Classics and Orchestration
- Australian Music
- ‘Who are we?’

ASSESSMENT OVERVIEW

The course is divided into three areas of assessment:
- Composition (original and/or arrangement)
- Performance (this area will be assessed through solo and ensemble work with voice, instruments or conducting)
- Analysing Repertoire (assessed either by formal exam or research assignment).

Each of these areas is considered equally over the years and at exit level. Year 11 is formative assessment only. Usually all year 12 work is summative. Three pieces of assessment from Year 12 (one performing, one composing and one analysing repertoire) will be submitted to achieve exit from this subject.

ADDITIONAL INFORMATION

It is beneficial for students to be involved in cocurricular activities within the college to assist with their development and assessment opportunities. Activities include – Choir, Stage Band, Percussion and Handbell Ensembles and other groups.
PHYSICAL EDUCATION

OP SUBJECT

COURSE OVERVIEW

In each semester, both written and physical units are undertaken. These units will be integrated with an emphasis on learning in, about and through physical activity.

SEMESTER UNIT TOPICS

Units of work to be studied are:

Written: Theoretical aspects of sports psychology
Theoretical aspects of conditioning and training
Theoretical aspects of physiology of the training athlete
Biomechanical principles of exercise
Sociological influences and sport

Physical: All of the following:
Touch, Volleyball, Aquathlon, Dance.

ASSESSMENT OVERVIEW

In each term there is an assignment or an exam essay task. All year 12 work is summative whilst year 11 work will be formatively assessed giving feedback on student progress in various skills.

Assessment information for practical units would come from completion of criteria sheets during:

- Skills test and drills and
- Ongoing performance and improvement in competitive and varied performance environments.

ADDITIONAL INFORMATION

Students undertaking Physical Education will need to purchase at least two PE uniforms for practical classes. The college hat plus sunscreen is now **COMPULSORY** for ALL outdoor activities.

It is important that students are prepared to undertake extra training sessions outside of school time. This is part of their homework and practice sessions are crucial for mastery of practical skills. The submission of quality written work is of equal importance when considering this course. It is strongly suggested that students have completed units in Health & Physical Education involving volleyball and touch.
PHYSICS

OP SUBJECT

COURSE OVERVIEW

The programme aims to develop in students an understanding of the laws of physics and how these can be used to explain everyday phenomenon.

The program is intended to cater, not only for those who require a knowledge of physics for future study, but to stimulate all students to meet the challenge of problems which face them.

SEMESTER UNIT TOPICS

- Physics on the road
- Cars – speed and safety
- Physics of fun / sport
- Switching it on
- Power supply and consumption
- People, heat and the environment
- Spins and vibrations
- Light, sound and waves in the home
- From plum pudding to quarks
- Living in a nuclear age

ASSESSMENT OVERVIEW

Students are assessed under three criteria:

- Knowledge and Conceptual Understanding (KCU)
- Investigative Processes (IP)
- Evaluating and Concluding (EC)

Assessment tasks include the following:

- Supervised assessment – done under exam conditions
- Extended Experimental Investigation

There are usually two to three different assessment tasks per semester.

ADDITIONAL INFORMATION

Physics is a prerequisite subject for many tertiary courses in the science field and it provides a useful knowledge base for many fields of employment

PREREQUISITE SUBJECT:

Year 10 advanced / extension mathematics / Level 6+ Algebra
SCIENCE 21

OP SUBJECT

COURSE OVERVIEW

The subject is aimed at giving the students a general overview of scientific method as it relates to several science disciplines. It provides the students with knowledge and skills that are useful for living.

SEMESTER UNIT TOPICS

- Life Style choices (food, health and medical technology)
- Energy, Transport and Flight
- Forensic Science
- Materials and Man
- Alternative Energies
- Weather, Atmosphere and Natural Disasters
- Environmental Studies
- Yeast, fermentation and Wine
- Science Future

ASSESSMENT OVERVIEW

Students are assessed under three criteria:
- Knowledge and conceptual understanding
- Investigative processes
- Issues and impacts

ASSESSMENT INSTRUMENTS

- Supervised assessment - done under exam conditions
- Extended practical investigation - extended written response
- Non-experimental investigation - oral and extended written response
- Collection of work – several 500 word responses to research questions

There are usually two or three different assessment tasks per semester

PREREQUISITE SUBJECT

Sound achievement in Year 10 Science / Level 5 Science
Sound achievement in Year 10 English / Level 6 English
STUDY OF RELIGION

OP SUBJECT

Study of a religious subject is compulsory at St Patrick’s College.

COURSE OVERVIEW

This course is an academic study of religion as the foundation of world views and culture. It is intended to provide a degree of choice and flexibility, so that a special emphasis can be given to the study of Christianity while, at the same time, drawing comparisons with other main religious traditions, such as Islam, Aboriginal religions, Judaism, Hinduism and Buddhism.

SEMESTER UNIT TOPICS

Semester 1  Ritual (World Religion Emphasis)
Semester 2  Religion – State relationships
Semester 3  Religion, Values and Ethics
            Ultimate questions
Semester 4  Sacred texts (Christianity / Judaism / Islam)

ASSESSMENT OVERVIEW

▪ All of year 11 assessment is formative.
▪ There are six (6) pieces of assessment in year 12 all of which are summative.
▪ Research, including an Ethnographic Investigation, Multi-modal presentation, test essay, response to stimulus and multi-media.

ADDITIONAL INFORMATION

Students of Study of Religion will take part in the normal religious activities, such as reconciliation, prayer services, preparation of assembly prayers, preparation of mass.
VISUAL ART

OP SUBJECT

PREREQUISITE
A study of year 10 Art is desirable. Students can be disadvantaged if they do not have basic drawing and design skills and some familiarity with art practices and techniques. Those who decide to take year 11 and 12 Art without having studied Art previously may need to spend some extra time revising basic skills.

COURSE OVERVIEW

The course involves a diversification and exploration in year 11 then specialisation and resolution of ideas in year 12. At this stage, media areas explored are:

- Painting
- Drawing
- Printmaking
- Sculpture
- Technology and New Media

These are subject to change dependent on the particular areas of expertise of the Art teacher and the interests of the Art students themselves.

SEMESTER UNIT TOPICS

Generally, the two years are seen as a continuous study of Art leading to the production of final pieces of work which are the result of the students' cumulative understanding and expertise in the subject.

The earlier semesters will be devoted to increasing basic skills and a theoretical understanding of art. The student will be required to research, develop, resolve and reflect in both a practical and theoretical way.

ASSESSMENT OVERVIEW

The final or exit mark for Year 11 and Year 12 Art is based on at least two (2) resolved bodies of practical work and two written assignments completed during the senior year.

ADDITIONAL INFORMATION

Visits to Mackay Artspace and other galleries forms an important part of the programme.
VOCATIONAL EDUCATION AND TRAINING (VET) OVERVIEW

St Patrick’s College has been a national pioneer in the field of vocational education in senior schooling. Within the Mackay district the college works cooperatively with local employment agencies and training groups. The graduates of St Patrick’s College are in high demand among local industries. Students can gain a wide range of nationally recognised accreditations while at the college. School based apprenticeships and traineeships, which combine school based learning and regular paid weekly employment, have given many students new motivation and direction.

CODE OF PRACTICE OF THE SCHOOL

St. Patrick’s College:
- recognises the importance of students receiving a broad-based general education;
- is registered with the Queensland Studies Authority and other providers to provide vocational education training programs in Hospitality, Early Childhood Education, Construction and Metals Engineering, Information Technology, Business Procedure;
- has access to the facilities and resources required for vocational education training programs;
- has in place an assignment / assessment policy that applies to all subjects offered;
- has a process in place that enables students to apply for recognition of prior learning (RPL);
- has a process for addressing any concerns students may have and offers them access to a range of people who can provide them with advice and guidance.
- The school has access to all relevant physical resources as outlined in the relevant Training Package or course. Staff is provided with the resources necessary to meet the human resource requirements of the relevant Training Package or course.
- If, for whatever reason, the school cannot maintain the relevant Physical and Trainer resources to deliver the Training Package or course, the school will attempt to provide students with alternative opportunities to complete the course and the related qualification.
- The school retains the right to cancel the course if it is unable to meet requirements.

ENTRY REQUIREMENTS

This course caters for students in years 11 and 12, including mature-aged re-entry students. Evidence of successful application to English and Mathematics is preferable.

VOCATIONAL OUTCOMES

On successful completion of the vocational education training programs students will:
- be able to carry out some employment tasks at a basic level;
- possess a range of skills, attitudes and knowledge that will assist them in roles not specifically related to employment, for example as a student and as a citizen in general;
- be eligible for appropriate credit into related courses offered by other training providers.

ASSESSMENT REQUIREMENTS

Assessment for the vocational certificates is competency-based. This means that once students can consistently demonstrate that they can do all of the tasks required in a training program they will be given credit.
WORK PLACEMENT

Work placement is **compulsory** for students who enrol in a Vocational Education course and consists of 2 x 2 week blocks in both year 11 and 12. Work placement is part of the student’s course. Skills acquired on work placement will be recorded in log books that form part of the assessment for courses undertaken.

Where indicated subjects include nationally recognised competencies from relevant industries. Students who can consistently perform all the tasks in a unit will be rated competent in that unit. In many cases this will reduce the necessary training when the student starts paid employment or further study in the area.

At the end of the course, students will receive a certificate to the **LEVEL ATTAINED** or a statement of attainment showing achieved competencies. These will also appear on their official senior statement. The student will also be able to bank credits towards their Queensland Certificate of Education. As well, students will have completed a work placement log book which lists “on the job” skills.

STUDY AREA SPECIFICATIONS

Many students attend the college with a view to acquiring skills and knowledge that will equip them for employment immediately upon the completion of senior studies rather than or before proceeding to university studies.

Hence, some subjects which are much more practical than theoretical are offered. These are designed to equip students so that they can enter a particular field of work. Most of these subjects are registered with the Queensland Studies Authority as Study Area Specifications.

**Students with significant literacy and numeracy problems will continue to experience those in Vocational Education subjects. Enrolment in these subjects will not cure the ills of previous poor study habits or work ethic.**
BUSINESS PROCEDURES

VET SUBJECT
BSB 20107 — CERTIFICATE II IN BUSINESS

COURSE OVERVIEW

This course is designed to provide an understanding of the role of business services using a range of technologies associated with workplace practices that provides knowledge, processes and workplace skills contributing to vocational pathways.

TOPICS OF STUDY

Core Competency
BSBOHS201A Participate in OHS procedures

Elective Competencies
BSBINM201A Process and maintain workplace information
BSBCMM201A Communicate in the workplace
BSBITU201A Produce simple word processed documents
BSBITU202A Create and use spreadsheets
BSBSUS201A Participate in environmentally sustainable work practices
BSBWOR202A Organise and complete daily work activities
BSBWOR203A Work effectively with others
BSBWOR204A Use business technology
FNSICGEN305A Maintain daily financial / business records
BSBITU303A Design and produce text documents
BSBITU302A Create electronic presentations

ASSESSMENT OVERVIEW

To determine a student's competency in the topics of study to attain a Certificate II in Business Procedures, a variety of assessment techniques may include: objective and short-response tests, role-plays, oral presentations, folio and written work, reports, group tasks, workplace and teacher observations, research and project work, recording of business procedures and financial transactions and practical work using a variety of computer software.

OPPORTUNITIES

Business Procedures provides opportunities for students to use their creativity and derive satisfaction from working with materials and technology as they prepare for future employment. Students develop technical skills such as clerical skills and information processing as well as a range of general skills, including communication and literacy, numeracy, problem solving, enterprise, team skills, organizational skills, self-management, and customer service skills.

Students may participate in School based Traineeship Certificate II in Business and be able to do further study at TAFE towards a Certificate III or IV in Business or enter into an office environment as a full-time employee or in a Traineeship position. Otherwise, you may develop skills in and attitudes towards business for a broader life role. It is recommended that students partake in work experience in the business sector to enhance their studies in this area.

NB: Students must choose one (1) only of the following subjects: Business Communication & Technologies or Business Procedures as they contain common core and competency units.
EARLY CHILDHOOD EDUCATION

STUDY AREA SPECIFICATION
CHC30402 — CERTIFICATE III IN CHILDREN’S SERVICES

COURSE OVERVIEW

Child care is a rapidly expanding industry with an increasing need for trained and qualified staff. During the two year course students will complete their Certificate III in Early Childcare which will qualify them to gain employment as a Childcare Assistant at daycare centres, after school hours care and Family Daycare etc once they turn 17 years of age. Students will be enrolled through My Other Mom and be required to pay the subsidised fees (approximately $20 per unit and $55 Enrolment Fee), complete a First-Aid Certificate (delivered in school time - $90) and complete approximately 200 hours Work Placement over the two year course.

This course also offers valuable experience for young adults who will one day be parents of young children. The program of study aims to assist students develop:
- the knowledge, skills and appropriate competencies to enter the childcare industry at the base level;
- the process, skills and attitudes that are required of caregivers in early childhood;
- self-reliance, personal responsibility and ability to work in a team;
- the ability to analyse and evaluate childcare practices;
- an understanding of human development and the Australian family.

UNITS OF STUDY

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHCORG303A</td>
<td>Participate effectively in the work environment <em>(CCC sign off)</em></td>
</tr>
<tr>
<td>HLTOHS300A</td>
<td>Contribute to OHS processes <em>(CCC sign off)</em></td>
</tr>
<tr>
<td>HLTHIR403B</td>
<td>Work effectively with culturally diverse clients and co-workers</td>
</tr>
<tr>
<td>CHCCN303A</td>
<td>Contribute to provision of nutritionally balanced food in a safe and hygienic manner</td>
</tr>
<tr>
<td>HLTFA301B</td>
<td>Apply First-Aid</td>
</tr>
<tr>
<td>CHCCN302A</td>
<td>Provide care for children <em>(CCC sign off)</em></td>
</tr>
<tr>
<td>CHCCN305A</td>
<td>Provide care for babies</td>
</tr>
<tr>
<td>CHCIC301D</td>
<td>Interact effectively with children <em>(CCC sign off)</em></td>
</tr>
<tr>
<td>CHCPR301A</td>
<td>Provide experiences to support children’s play and learning <em>(CCC sign off)</em></td>
</tr>
<tr>
<td>CHCPR303D</td>
<td>Develop understanding of children’s interests and developmental needs <em>(CCC sign off)</em></td>
</tr>
<tr>
<td>CHCFC301A</td>
<td>Support the development of children <em>(CCC sign off)</em></td>
</tr>
<tr>
<td>CHCCN301A</td>
<td>Ensure the health and safety of children</td>
</tr>
<tr>
<td>CHCRF301D</td>
<td>Work effectively with families to care for the child</td>
</tr>
<tr>
<td>CHCCHILD401A</td>
<td>Identify and respond to children and young people at risk</td>
</tr>
<tr>
<td>CHCCS400A</td>
<td>Work within a relevant legal and ethical framework</td>
</tr>
</tbody>
</table>

*(CCC sign off – any unit with this must be signed off in a Childcare Centre)*

ASSESSMENT OVERVIEW

Vocational outcomes will be deemed “Competent” or “Not Yet Competent” by matching student performance in a range of practical tasks and written assignments against a set of Learning Outcomes. Students will be given the opportunity to show competency on a number of occasions and must achieve competency for each module enrolled in by the end of the semester. (This can, at times, be very difficult and requires dedication and consistent hard work).
ENGLISH COMMUNICATION

STUDY AREA SPECIFICATION (AUTHORITY REGISTERED SUBJECT)

COURSE OVERVIEW

To participate in the wider society, people need to develop effective and efficient methods of communication. Fluency in English allows people to participate in all spheres of Australian society and increasingly of a global society. As lack of fluency may limit that participation, this subject endeavours to provide students with opportunities to increase their range of communication skills.

English Communication is designed to assist students in years 11 and 12 to improve their potential for effective participation in life. These broad communication contexts provide the basis of a three strand approach to studies in English Communication.

Students will develop abilities to compose and comprehend English language texts which:

- are directly related to workplace competencies e.g. directories, manuals, schedules and compendiums;
- provide information and opinion on matters of current community and national interest e.g. newspapers, magazines, documentaries, non-fictional prose;
- provide enjoyment e.g. film, television, radio, drama, prose fiction and biographies, magazines, song lyrics and poems.

UNIT TOPICS

- Workplace communication
- Writing skills for work
- Job seeking skills
- Work team communication
- Presenting information
- Dealing with customers & clients

ADDITIONAL INFORMATION

The program of study seeks to build on the needs, interests and future aspirations of the students who select it. The accommodation of these needs in the three strands will afford opportunities for teacher/student negotiation, individual goal setting and the development of self confidence.

STUDENTS ARE REMINDED THAT WILLINGNESS TO LEARN AND HARD WORK ARE KEY INGREDIENTS IF THEY ARE TO BE SUCCESSFUL IN THIS SUBJECT.

STUDENTS NEED TO NOTE THAT THIS SUBJECT HAS A HIGH ORAL COMPONENT (70%).
HOSPITALITY

STUDY AREA SPECIFICATION
CERTIFICATE I IN HOSPITALITY — SIT10207
CERTIFICATE II IN HOSPITALITY — SIT20207
EMBEDDED MODULES

COURSE OVERVIEW

- The subject allows students to achieve an understanding of the hospitality industry and to develop certain skills and attitudes for employment.
- All students enrolled in this course will have the opportunity to complete Certificate I and II in Hospitality.
- During Year 11 students will study and be able to complete the competencies required for Certificate I. Students will also be required to provide their own uniform of black pants and long sleeved white shirt.
- During Year 12, students will study and be able to complete competencies required for Certificate II.

UNITS OF COMPETENCY TO BE DELIVERED

Certificate I in Hospitality
SITHIND001A Develop and update hospitality industry knowledge
SITHCCC001A Organise and prepare food
SITHCCC002A Present food
SITXCOM001A Work with colleagues and customers
SITXCOM002A Work in a socially diverse environment
SITXOHS001A Follow health, safety and security procedures
SITXOSH002A Follow workplace hygiene procedures

Certificate II in Hospitality
SITHIND002A Apply hospitality skills in the workplace
SITXFIN001A Process financial transactions
SITHFAB011A Develop and update food and beverage knowledge
SITXINV001A Receive and store stock
SITHFAB009A Provide responsible service of alcohol
SITHFAB012A Prepare and serve espresso coffee

ASSESSMENT OVERVIEW
Vocational outcomes will be deemed “competent” or “not yet competent” by matching student performance in a range of practical tasks and written assignments against a set of learning outcomes. Students will be given attempts to show competency and must achieve competency for each module enrolled in by the end of the semester.

ADDITIONAL INFORMATION
- Students wishing to enrol in vocational education training on leaving school will be eligible for appropriate credit towards courses with TAFE or other training providers throughout Australia.
- Please be aware that if TAFE Mackay is used for the delivery of this course, students’ attendance at TAFE is compulsory.
INFORMATION AND COMMUNICATION TECHNOLOGY

STRAND A (VET)
STUDY AREA SPECIFICATION
CERTIFICATE II IN INFORMATION TECHNOLOGY (Multimedia Focus)

COURSE OVERVIEW
Personal access to computers and electronic information networks continues to increase and has become an indispensable aspect of society. This rapid proliferation of computers as a medium for providing and communicating information has made the ability to use information technology an essential skill. The course is to be flexible in order to accommodate new and emerging technologies and a wide range of interests and abilities of students who study it.

This subject develops:
- The knowledge essential for the information technology industry;
- The processes, skills and attitudes required as responsible users of technology;
- Self-reliance, personal responsibility, self-management and the ability to work in a team;
- An ability to think critically and constructively;
- The skills needed to participate in creative work, practical problem-solving and communication through a variety of media;
- The ability to communicate effectively, and use technology-specific language.

ASSESSMENT OVERVIEW
Vocational outcomes will be deemed ‘Successful’ or ‘Not Yet Competent / Unsuccessful’. All areas will be judged through use of folio of work, tasks and projects.

UNIT TOPICS
Core units
ICAU1128B Operate a personal computer
BSBCMN106A Following workplace procedures
ICAD2012B Design organisational documents using computer packages
ICAU2005B Operate computer packages
ICAU2006B Operate computer packages
ICAU2013B Integrate commercial computing packages
ICAW2001B Work effectively in an IT environment
ICA2002AB Communicate in the workplace

Elective units
ICA2003B Receive and process oral and written communication
ICA2015B Install software applications
ICA2009AB Interact with clients
ICA2011B Work as a team
ICPMM263B Access and use the internet

Media topics
- Develop and update webpage
- Prepare and participate in an electronic media activity
- Setup and operate a digital camera
- Animation
- Game development
- Digital imaging - Video

ADDITIONAL INFORMATION
Students will be given opportunities for the development of appropriate skills and attitudes to assist them in their transition from school to the workforce and equip them as responsible members of the community. Students wishing to enrol in vocational education and training on leaving school will be eligible for appropriate credit towards appropriate course with TAFE and other training providers. Students taking this course are eligible for structured work placement and / or traineeships in computing areas.

CAREER PATHWAYS
- TAFE/Training Organisations
  Certificate in Technology
  Diploma in Technology
- Universities
  Continue on to university after completing Traineeships / Diplomas at TAFE
- Careers
  Office employment
  Computer Technology
  Publishing
  Multi-Media

St Patrick’s College
Page 55
Choosing Subjects 2012
MANUFACTURING – CERTIFICATE I IN CONSTRUCTION

CPC10108 CERTIFICATE I IN CONSTRUCTION
STUDY AREA SPECIFICATION
STRAND A

COURSE OVERVIEW

Construction offers a variety of skills oriented towards the building and construction industries. Students who have had little exposure to a similar subject should not be discouraged as the subject is structured to cater for this possibility. The subject matter covers a range of machinery, hand and power tools, processes, materials, related theory likely to be encountered in the building construction/maintenance industry. Safety is an important part of the course. Students are encouraged to transfer the need for safety into daily life.

On successful completion of the course the student will gain a Certificate 1 in Construction which will give those students who so desire a sound base to enter a building trade and others a range of skills that will allow them to attempt their own simple building projects or maintenance.

The CPC10108 Certificate I in Construction qualification is based on units of competence selected from the general construction industry national training package.

Gaining a qualification in CPC10108 Certificate I in Construction

In order to achieve CPC10108 Certificate I in Construction, students must achieve the units of competence listed below:

- CPCCM1002A Work effectively in the construction industry
- CPCCM1003A Plan and organise work
- CPCCM1004A Conduct workplace communication
- CPCCM2001A Read and interpret plans and specifications
- CPCCM2005A Use construction tools and equipment
- CPCCVE1001A Undertake a basic construction project
- CPCCOHS1001A Work safely in the construction industry
- CPCCOHS2001A Apply OHS requirement, policies and procedures in the construction industry
- CPCCM1005A Carry out measurements and calculations
- CPCCM2004A Handle construction materials
- CPCCM2006A Apply basic leveling procedures.

ASSESSMENT
Each student will be assessed on ability to demonstrate competence consistently at a Certificate I standard. This will be achieved through the use of a variety of techniques including:

- Written responses
- Objective and written short answer/response tests
- Practical work/teacher observation of student skills
- Practical Tests

ADDITIONAL INFORMATION
Structured work placement is recommended and offered to all students in this course.

D2C - Students who choose the Certificate I in Construction course and who wish to gain employment in the construction industry as an apprentice in any one of the 52 construction industry trades are given the opportunity to apply for participation in the Doorways to Construction (D2C) offer that will support them from the time they join until completion of their apprenticeship. Membership and successful completion of the Certificate I can gain them two extra QCE points.
MANUFACTURING – CERTIFICATE I IN ENGINEERING

MEM10105 – CERTIFICATE I IN ENGINEERING
STUDY AREA SPECIFICATION
STRAND A

COURSE OVERVIEW
This course develops skill and knowledge in metal trades workshop techniques which if successfully completed allows the students to progress to higher qualification levels related to these trades.

Engineering is intended to make schooling relevant by providing skills that are more marketable in the workplace. This strand provides students with skills in the engineering industry, specifically in the areas of fabrication, welding, mechanical cutting, machining, the use of hand tools and the use of power tools in hand held operations. Manual production assembly skills are also covered by the certificate course. To satisfy the requirements of Certificate I in Engineering students must achieve competence in all the competencies listed below.

Core Competencies
MEM13014A Apply principles of O H & S in a work environment
MEM14004A Plan to undertake a routine task
MEM15024A Apply quality procedures
MEM16007A Work with others in a manufacturing, engineering environment

Elective Competencies
MEM05004C Perform routine oxy acetylene welding
MEM05005B Carry out mechanical cutting
MEM05006B Perform brazing and / or silver soldering
MEM05007B Perform manual heating and thermal cutting
MEM05012C Perform routine manual metal arc welding
MEM07032B Use workshop machines for basic operations
MEM11011B Undertake manual handling
MEM12023A Perform engineering measurements
MEM12024A Perform computations
MEM16008A Interact with computing technology
MEM18001C Use hand tools
MEM18002B Use power tools / hand held operations

ASSESSMENT
Each student will be assessed on their ability to demonstrate competence consistently at Certificate I standard. This will be achieved through the use of a variety of techniques including:

- Practical work
- Written responses
- Teacher observation of student skills
- Objective and written short answer / response tests
- Practical Tests

ADDITIONAL INFORMATION
Structured work placement is recommended and offered to all students in this course.

THIS COURSE IS OFFERED CONCURRENTLY WITH MANUFACTURING - CERTIFICATE I IN MANUFACTURING (PATHWAYS)
MANUFACTURING – CERTIFICATE I IN MANUFACTURING (PATHWAYS)

MSA 10107 CERTIFICATE I IN MANUFACTURING (PATHWAYS)
STUDY AREA SPECIFICATION
STRAND A

COURSE OVERVIEW

This Certificate 1 course develops skill and knowledge that are essential for employment and skills that relate directly to a work activity as specified in the core technical unit. Successful completion allows the students to progress to higher qualification levels related to this field.

The course is intended to make schooling relevant by providing skills that are more marketable in the workplace. This strand provides students with skills in the engineering industry, specifically in the areas of fabrication, welding, mechanical cutting, machining, the use of hand tools and power tools. Manual production assembly skills are also covered by the certificate course. To satisfy the requirements of Certificate I in Manufacturing (Pathways), students must achieve competence in all the competencies listed below.

Core Pathways Units
MSACPI101A Adapt to work requirements in industry
MSAPCI102A Apply effective work practices
MSAPCI103A Demonstrate care and apply safe practices at work

Core Industry Technical Unit
MCMP298A Make an object from metal

Elective Units
MEM03001B Perform manual production assembly
MEM05007B Perform manual heating and thermal cutting
MEM05012C Perform routine manual metal arc welding
MEM07032B Use workshop machines for basic operations
MEM18001C Use hand tools
MEM18002B Use power tools / hand held operations

ASSESSMENT

Each student will be assessed on their ability to demonstrate competence consistently at Certificate I standard. This will be achieved through the use of a variety of techniques including:

- Practical work
- Written responses
- Teacher observation of student skills
- Objective and written short answer / response tests
- Practical Tests

ADDITIONAL INFORMATION

Structured work placement is recommended and offered to all students in this course.

THIS COURSE IS OFFERED CONCURRENTLY WITH MANUFACTURING - CERTIFICATE I IN ENGINEERING
MANUFACTURING – FURNISHING STUDIES

STUDY AREA SPECIFICATION – STRAND B (AUTHORITY REGISTERED SUBJECT)

COURSE OVERVIEW

There are no nationally recognised vocational outcomes in this strand

This strand enables students to complete a course of study within a practical workshop setting. The course content is built around core units then supported with elective units drawn from the key element.

Units include

- Introduction to the furnishing industry
- Safety in the furnishing workplace
- Drawing interpretation and setting out
- Selection and application of hand and power tools
- Selection and application of static machinery
- Materials, selection, construction and assembly of a product
- Surface preparation and finishing

Within Units of study

- Industry Orientation
- Framing construction
- Carcase construction
- Finishing

This course is based around practical skill development. However, the ability to read and interpret brochures, technical manuals, tables etc will be developed along with appropriate speaking and writing skills. Other activities such as graph reading, diagram sketching and report writing will be developed to meet the standard industrial conventions.

ASSESSMENT

Each student will be assessed on knowledge and understanding, applied process and practical expertise through a variety of techniques which will include:

- written responses
- objective and written short answer/response tests
- practical work
- teacher observation of student skills.

ADDITIONAL INFORMATION

Results in this subject will be reported as a level of achievement on the senior Exit Statement and Queensland Certificate of Education.
MANUFACTURING - INDUSTRIAL GRAPHICS

STUDY AREA SPECIFICATION – STRAND B (AUTHORITY REGISTERED SUBJECT)

There are no prerequisite Year 10 subjects. Some study in Graphics would be an advantage but is not essential.

COURSE OUTLINE

There are no nationally recognised vocational outcomes in this strand.

Semesters 1 and 2

- An overview of engineering and construction drawing, types and functions of technical drawings, drafting and drawing reproduction methods, geometric construction methods, technical drawing standards.
- CAD software packages (e.g. Envisioneer, ProDesktop, ProEngineer, Plate and Sheet), for production of simple drawings on CAD system, printing and plotting from the CAD system.
- Legal requirements of Occupational Health and Safety, workplace hazards, housekeeping, pollution, safety and emergency first aid.

Semesters 3 and 4

- Use of computers in the construction and engineering industry, introduction to computers – hardware, terminology, operating systems and peripheral devices, application of packages used in industry.
- Creating symbols, using commands to speed up drawing, layers, line types, limits, grids, etc.
- Producing three dimensional drawings using ProDesktop.

ASSESSMENT

Semesters 1 and 2
Practical tests, Theory Tests, Assignment, Observational records

Semesters 3 and 4
Practical tests, Theory test, Assignment, Observational records

COMMENTS

This course is an Industrial Skills subject. The units offered in this course will be developed from the construction and engineering (manufacturing) streams.

Students completing four semesters will gain an exit level for Industrial Graphics.

The course is well suited to students who may be entering the drafting, engineering or architecture fields, along with those who are seeking apprenticeships after school. Students who feel they may have difficulty coping with Senior Graphics would be well suited to this course.

This course is valuable to students who undertake Certificate I Construction, Certificate I Engineering and Furnishing Studies.

ADDITIONAL INFORMATION

Results in this subject will be reported as a level of achievement on the senior Exit Statement and Queensland Certificate of Education.
PRE-VOCATIONAL MATHS

STUDY AREA SPECIFICATION (AUTHORITY REGISTERED SUBJECT)

COURSE OVERVIEW

This is designed for those students who would have difficulty in coping with Mathematics A but still want to do a mathematics subject.

If a student can cope with Mathematics A (a direct flow-on from Core Maths or Level 6 Maths) it is preferable that they attempt that as it keeps more employment options open.

The focus is on mathematics in everyday life. To that end, the course will have a thematic approach with the basic skills being revisited and extended in each topic.

Pre-vocational Maths is to help prepare students for employment at the end of year 12.

ASSESSMENT

Each student will be assessed on a variety of appropriate mathematical skills and principles. Homework will need to be completed effectively and consistently. Students will have the opportunity to work on a variety of interesting and practical projects.

ADDITIONAL INFORMATION

Many students find this subject very helpful to reinforce the learning of important basic maths principles.

Results in this subject will be reported as a level of achievement on the senior Exit Statement and Queensland Certificate of Education.

PREREQUISITE: none
RECREATION PURSUITS

STUDY AREA SPECIFICATION
SRC20206 – CERTIFICATE II IN COMMUNITY RECREATION

COURSE OVERVIEW
The sport and recreation industry has assumed increasing importance as a source of employment opportunities. This growth in employment opportunities has been reflected in the awareness that our society is carrying the burden of ever-increasing health costs incurred by many who have inactive lifestyles. Recognition of the need for people to be physically and socially active has led to increasing development of a recreation industry that aims for a healthier community.

The Certificate II in Community Recreation is designed to reflect the role of entry level employees working in the community recreation industry under supervision. This qualification facilitates the development of the following knowledge and skills:

- Understand and apply the principles of community development in a community recreation work environment;
- Respond to clients at risk in a community recreation environment;
- Handle transactions at the point of sale and reconcile takings;
- Assist in the planning and preparation of sessions within the sport and recreation industry;
- Assist in the conduct and supervision of sessions within the sport and recreation industry.

The course is flexible in order to accommodate a variety of elective units to meet the wide range of interests and abilities of students who study it. Each semester is organized into theory modules and practical elements. Whenever possible, appropriate aspects of theoretical elements are linked to practical areas and to community resources and interests, and traditional school interests. It is the aim of the course for students to gain hands on experience and to gain accreditation for these skills (e.g. certificates through R.L.S.S.A., Q.B.C.E. etc and school certificates).

In order to achieve SRC20206 Certificate II in Community Recreation, students must achieve the units of competence listed below:

Core units
BXBCMN202A Organise and complete daily work activities
SRXFAD001A Provide first aid
SRXGCS002A Deal with client feedback
SRXINIU001A Develop knowledge of the sport and recreation industry
SRXOHS001B Follow defined Occupational Health and Safety Policies and Procedures

Stream units
SRCCRD002B Apply the principles of community development to community recreation work
SRCCRO002B Respond to clients at risk
SRCCRO003B Apply point of sale handling procedures in a recreation setting
SRXCAI001B Assist in preparing sport and recreation sessions for participants
SRXCAI002B Assist in conducting sport and recreation sessions for participants

Elective units
SRXFAD002A Provide Advanced First Aid Response
SRCACU003B Respond to aquatic emergency using basic water rescue technique
SRCCAP005A Perform warm-up, stretching and cool-down techniques before and after participation in an activity
SRXFAC001B Maintain equipment for activities
SRXCAI003B Provide equipment for activities
BSBCM201A Prepare for work (pre-requisite for BSBCM202A)
BSBCM202A Complete daily work activities (pre-requisite for BSBCM202A)
SRXRK001A Undertake risk analysis of activities
ICAITU006C Operate computer packages

ASSESSMENT OVERVIEW
Vocational outcomes will be deemed “Competent” or “Not Yet Competent” by matching student performance in a range of practical tasks and written assignments against a set of Learning Outcomes. Students will be given the opportunity to show competency on a number of occasions and must achieve competency for each module enrolled in by the end of the semester. (This can, at times, be difficult and requires dedication and consistent work).

ADDITIONAL INFORMATION
Students undertaking Recreation Pursuits will need to purchase at least two sports uniform for practical classes. The college hat and sunscreen are now compulsory in ALL outdoor activities.

This course is funded through an ETRF arrangement with Central Queensland Institute of TAFE and individual costs will be to meet material requirements.
RELIGION & ETHICS

STUDY AREA SPECIFICATION (AUTHORITY REGISTERED SUBJECT)

Students who do not choose Study of Religion (SOR) must study this subject. Religion is a critical study at the college.

COURSE OVERVIEW

- **Christian / Catholic**
  A study of Christianity in general, and Catholicism in particular. Focus will be on Australian Christian Churches, their similarities and differences.

- **Social Justice**
  A study of the way Catholic Christians put into practice the social teachings of Jesus.

- **Religions of the World**
  A study of the main aspects of Judaism, Buddhism, Islam, Hinduism and Aboriginal religions.

- **Christian Relationships**
  A Christian viewpoint on relationships with oneself, one’s friends, one’s family. Sexuality in a Christian context.

- **Exploring the meaning of life**
  Life’s ultimate questions.
  Reasons for belief in God.

- **Ethics and Morality**
  The Church’s response to contemporary ethical issues.
  Responsible decision making based on informed conscience.

- **Heroes and role models**
  Vocations.
  Celebrating the lives of the saints and heroes, living and dead.

- **Spirituality and ritual**
  Signs and symbols.
  Creative approaches to prayer.

ASSESSMENT OVERVIEW

One oral or written piece per term.

ADDITIONAL INFORMATION

Students of Religion and Ethics will take part in the normal religious activities such as reconciliation, prayer services, preparation of assembly prayer.