OPTION SUBJECT SELECTIONS for YEAR 10, 2016

In Year 10, all students study English, Mathematics, Science, Society and Environment, Religious Education and Physical and Health Education as part of their curriculum.

In conjunction with these compulsory subjects, students are able to choose ‘option’ subjects. Option subjects provide students with the opportunity to develop their talents in a wide variety of areas. During Year 9, students have experienced a range of the options available and Year 10 provides them with the opportunity to consolidate their skills and understanding in specific disciplines or to experience a new range of option subjects. When choosing options, bear in mind that some options are important because of their academic content and the future aspirations of the student. The College encourages all students to pursue personal excellence. The choice of option subjects needs to take into account the student’s ability, skills and interest.

**Industry and Enterprise Programme:**
The Industry and Enterprise Programme is a VET program designed to assist students with aspirations for a career in the trades, transition through school into further education and training. Entry to the program is by invitation and offers were send home this week. If you would like your son to be considered for the program please contact Mr Scarfone. Boys in this programme need only tick Industry & Enterprise Programme as they will not have a choice of option subjects. They will all be doing Woodwork (major), Metalwork (minor) and Technical Drawing (minor).

When choosing option subjects for Year 10, students will need to choose either:

- 2 Major Options (taken 6 periods per 10 day cycle for the entire year)

**OR**

- 1 Major Options AND 2 minor options (taken 6 periods per 10 day cycle for a semester).

The Option Selection Form should be completed and returned to the College Office no later than

**Wednesday 2nd September, 2015.**

Please contact Mr Douthie if you have any queries.
Art (Major / Minor)
Although this subject has no pre-requisite it does build on techniques, ideas, skills and processes covered in Years 8 and 9. Students choosing either of these courses require some degree of competence to cope with the level expected and will be challenged to produce creative work in clay, plaster, paints, ink and a variety of drawing media.
In both the major and minor areas, art appreciation is covered in preparation for the Year 11 Art course however; emphasis is on the development of practical skills. Students will complete creative work in the areas of sculpture, printmaking, graphics and ceramics whilst developing their practical skills in using a variety of advanced media including electronic ‘image manipulation’ software.

Commerce (Major / Minor)
The course aims to provide a detailed study of business concepts, to simulate the operation of a small business, and to challenge students to use technology to create innovative business solutions. Topics include: The Sharemarket, Commercial Law, Marketing, Product Research and Development, Introduction to Accounting, Master Budgets, Financial Modelling, Management Decision Making and Business Operations. Students in the Major prepare and execute a comprehensive business plan culminating in the production and marketing of product. Through this course students are expected to complete a nationally accredited Certificate I in Business. Studying Small Business should assist students who intend to study Accounting and Finance or Economics in Years 11 and 12, or pursue a career in business. Completion of the Certificate I will greatly assist students who apply for TAFE courses or traineeships.

Computer Programming (Major/Minor)
The intention of the Computer Programming course is to teach students fundamental skills in programming so they can compete in a digital world. As we include more technology into our lives it is a valuable skill to be able to interact with and create programs for computers, smart phones and future technologies. See www.code.org for more information about why learning to code is important.

The students will get exposure to several programming platforms (Scratch, Python, Java and HTML5) with the ultimate goal of being able to create apps using the Android Software Development Kit. Students will also be required to use skills in multimedia applications in order to create apps that function well with a pleasing Graphical User Interface.

Drama (Major/Minor)
This course builds on skills introduced in previous years but is open to committed and enthusiastic new students. It will provide a firm background for further study in the areas of production, performance and design as well as adequately preparing you for Drama in Year 11. The course includes playwriting and developing performances for the continuation of the Lunchbox Theatre Company. There will be an introduction to analyzing a play for performance and students will also extend skills in improvisation, scripted drama and technical theatre. Students will have a number of public performance opportunities throughout the year including: The Lunchtime Plays, the Catholic Schools Performing Arts Festival and Variety Nights. While the emphasis is on practical workshops and performance work, theoretical work begins to play a fundamental role in providing students with a deeper knowledge and understanding of their drama works and processes. A practical exam is included in first semester, and students sit a written exam in second semester.

Electronics (Major)
The content and assessment of this course is equally divided between theory and practical work. Students need no prerequisites, however those who have studied Year 9 Electronics would have an advantage. Theory in the course includes electrical safety, electronic principles, understanding and recognition of components, calculations in resistance, capacitance and circuit laws. Students will be required to investigate needs, opportunities and problems that are defined in a design brief. They devise a solution that considers factors such as function, environment, materials, components and parts. As part of this process students will be introduced to elements of design and the use of CAD programs.

Practical work involves the construction of transistor and integrated circuitry on manufactured printed circuit board. This course is designed to provide a solid foundation for those students who are looking at the 2A/B Engineering course in Year 11.

Information Technology (Major / Minor)
This course is designed to meet the needs of those students who are interested in, Design Programming and Multimedia Authoring. It is recommended for those students who wish to choose Computer Science/ Applied Information Technology/Design courses in Years 11 and 12.

Students will gain experience in graphic and web site design, programming, audio and video editing, image manipulation, 3D modelling, 2D and 3D animation. Students will use software that enables the interactive use of text, audio, still images, video, graphics and music. Tasks are based around real world applications such as TV/Radio, programming design, commercial advertising, marketing and social networking technologies, such as Face book and MySpace.

“Learn what you are in the eyes of God”
**Metalwork (Major / Minor)**
This course is designed to encourage students to expand their knowledge of metalworking practices and to extend them to design, develop and construct projects. It is also designed to expand their knowledge of machine tools and specialised metalworking equipment. The major course is designed to provide the solid foundation vital for those students who are looking to take on the Year 11 Materials Design & Technology (Metals) course.

**Music Technology (Major/Minor)**
This course has its focus on musicianship, composition, performance, digital music technology and production skills such as recording, promotion and stage management. Project assessments include composing music to media, remixing, recording individual and group performances, and developing music industry vocational skills. The study of these areas will culminate in a professional CD recording of student devised performance work. Students are involved in all elements of the CD project – CD cover design, music composition, CD recording performance, and input into the studio mixing and track mastering. Students will utilise software such as Mixcraft, Logic Pro and Ableton Live. This course is designed to give students an insight into the practical and vocational elements of the music industry. Due to the performance aspect of this course, it is essential that students who take this option also learn a musical instrument, either privately or through the College. Students are also encouraged to play an active role in the department at performances throughout the year in the various college ensembles and bands.

**Outdoor Education (Minor only)**
This course educates students about the environment, in the environment and for the environment. This course will allow your son to explore topics that are essential to interacting in their environment such as navigation, orienteering, bush survival, first aid, minimal impact, hiking, camping, kayaking, mountain biking and rock climbing. Outdoor Education is about learning life skills which are facilitated in the outdoors and the learning objectives of this course include: developing teamwork skills, decision making and problem solving skills, improve communication, instill leadership qualities, and foster initiative and resourcefulness.

**Specialised Physical Education (Minor)**
This course is designed to cater for those students who have a keen interest in Physical Education and Sport. Students will be exploring in some detail various aspects of particular sports, with relation to techniques, strategies and rules. They will also have an opportunity to further develop their general fitness and health, sportsmanship, interpersonal skills and self-management skills. Furthermore students will gain an understanding of body systems, human anatomy and various coaching philosophies.

**Sports Science (Major only)**
This course is designed to meet the needs of those students who are interested in Physical Education Studies. It is recommended for those students who wish to choose Stage 2 Physical Education Studies in Year 11. Choosing this subject will provide the students with the theoretical knowledge and practical skills that is required for upper school courses. Practically, students will learn about movement, skills, strategies and tactics. Theoretically they will learn about physiological and social dimensions of sport.

**Technical Drawing (Major / Minor)**
This course is designed to enable the student to further develop the knowledge and skills learnt in Years 8 and 9. It is very important that students who wish to choose either Woodwork or Metalwork should also seriously consider Technical Drawing. It is a major component of both courses and the absence of it would prove to be a large handicap to the student. A number of Computer Aided Design exercises are included in the course. Emphasis is placed on the technical correctness of drawings together with the overall visual impact as a graphic communication of a solution to a drawing problem.

**Woodwork (Major / Minor)**
This course is designed to encourage students to expand their knowledge of woodworking practices and to extend them to design, develop and construct projects. Before choosing to study Woodwork in Year 10 the student should be aware that this course is the foundation for the Materials Design & Technology (Wood) course in Years 11. It is strongly recommended that any student who wishes to study the subject in Years 11 should opt for it as a major option in Year 10. It is not a prerequisite but the evidence clearly shows that those who choose the subject in Years 11 and 12 without the foundation course in Year 10 are put at a distinct disadvantage.

---

“Learn what you are in the eyes of God”
Please select either:
- 2 Major Options (taken 6 periods per 10 day cycle for the entire year)
  OR
- 1 Major Option AND 2 minor options (taken 6 periods per 10 day cycle for a semester).

Note
- An option chosen as a major will not be considered for a minor as well.
- An option may not be offered if demand for it is insufficient to make it viable.
- Students cannot choose a combination of Sports Science (major) AND Specialised PE (minor)
- Some combinations may not be possible due to timetable constraints.

<table>
<thead>
<tr>
<th>Tick</th>
<th>MAJOR SUBJECTS</th>
<th>Tick</th>
<th>MINOR SUBJECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ART</td>
<td></td>
<td>ART</td>
</tr>
<tr>
<td></td>
<td>COMMERCE</td>
<td></td>
<td>COMMERCE</td>
</tr>
<tr>
<td></td>
<td>COMPUTER PROGRAMMING</td>
<td></td>
<td>COMPUTER PROGRAMMING</td>
</tr>
<tr>
<td></td>
<td>DRAMA</td>
<td></td>
<td>DRAMA</td>
</tr>
<tr>
<td></td>
<td>ELECTRONICS</td>
<td></td>
<td>INFORMATION TECHNOLOGY</td>
</tr>
<tr>
<td></td>
<td>INFORMATION TECHNOLOGY</td>
<td></td>
<td>METALWORK</td>
</tr>
<tr>
<td></td>
<td>METALWORK</td>
<td></td>
<td>MUSIC TECHNOLOGY</td>
</tr>
<tr>
<td></td>
<td>MUSIC TECHNOLOGY</td>
<td></td>
<td>OUTDOOR EDUCATION</td>
</tr>
<tr>
<td></td>
<td>SPORTS SCIENCE</td>
<td></td>
<td>SPECIALISED PHYS ED</td>
</tr>
<tr>
<td></td>
<td>TECHNICAL DRAWING</td>
<td></td>
<td>TECHNICAL DRAWING</td>
</tr>
<tr>
<td></td>
<td>WOODWORK</td>
<td></td>
<td>WOODWORK</td>
</tr>
<tr>
<td></td>
<td>INDUSTRY AND ENTERPRISE PROGRAM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please return this form to the College Office no later than

**Wednesday 2nd September, 2015**

Parent Signature: ______________________ Date: ________________

“Learn what you are in the eyes of God”