Information Processes Technology

The following contains a description of the course we offer to students at St Marys Senior High. It is intended as a guide to help you select your subjects and you should read it carefully.

Please note:
- The details given represent the way that the course is delivered at St Marys Senior High and may involve different choices from the way other schools might operate the same course.
- Classes can only be formed where sufficient students select the particular course. The fact that a course is listed here is not a commitment to run the course in a particular year.
- The arrangements for particular courses are subject to change for a variety of reasons.

Information Processes and Technology - Course Details			
Units	**Type**	**ATAR**	**Faculty Teaching This Course**
2	Board Developed Course – Examinable at the HSC, marks can be used to count towards an ATAR	A – Counts towards an ATAR with no restrictions	Computing Studies

The Information Processes and Technology (IPT) course teaches students about information-based systems. It covers the processes of collecting, organising, analysing, storing and retrieving, processing, transmitting and receiving and displaying as well as the technologies that support them. Within this background, students will be well-placed to adapt to new technologies as they emerge.

What will I be doing in this course?

Through this course, students will gain a good working knowledge of:
- The key concepts of data, information and systems
- The interactive nature of effective information-based systems
- Available and emerging information technologies
- The social and ethical issues associated with the use of information technology and information systems, such as equity and access, privacy, freedom of information and copyright.
- The communication, personal and team skills necessary to ensure that an information systems solution is appropriate for the needs of the users.
- Related issues such as project management, documentation and user interfaces.

This course complements another Stage 6 course, Software Design and Development, which focuses on the design and development of software solutions.

How will I be assessed in this course?

Students will be expected to undertake the following types of assessment tasks.
- Two project based works and the associated folio (in both years)
- Written examinations

What should I be able to do at the end of the course?

On successful completion of this course, students should be able to:
- Select the most appropriate technology for a given situation.
- Design and implement an information-based system using a creative and methodical approach
- Design and develop an interactive multimedia products using a variety of software applications
- Design and develop innovative movies using a variety of software applications
- Design and develop a database management information system
- Use a variety of software applications such as Microsoft Office, Adobe Master Suite and other applications for PC, Mac and tablet.
- Work independently or in teams to plan, design, construct and implement information systems.

How will this course help me in the future?

The area of information systems has provided for major job growth for both women and men in recent years. Moreover, fields which have not traditionally been associated with computers – but in which processing information is a vital function – are emerging as exciting new areas of employment. These include music, the arts, science and technology as well as new and fast-growing industries that use multimedia, nanotechnology, the internet, knowledge management and robotics. The knowledge and skills you develop studying this course are transferrable across a variety of jobs, sectors and study disciplines at TAFE and university. In addition, for students planning to enter the workforce immediately after Year 12, the IPT course would be valuable to those who wish to seek employment as an office assistant or similar role at a junior level and as a computer salesperson.