There are no prerequisites for this course.

Course Description
Tomorrow's graduates will require highly developed levels of digital literacy and computational thinking. The development of an informed awareness of the capacities, scope, limitations and implications of hardware and software systems is fundamental to today's students.

The study of Information and Software Technology assists students to develop the knowledge, understanding and skills to solve problems in real life contexts. Through experiential and collaborative tasks, students engage in processes of analysing, designing, producing, testing, documenting, implementing and evaluating information and software technology based solutions.

The majority of the course work in I&ST is presented through projects, which allows individual responses and encourage responsibility for learning. In year 10, we intend to integrate the course work into an alternate reality game design project.

Students learn about:
- The Internet and Website Development.
- Robotics and Automated Systems.
- Digital Media.
- Software Development and Programming.
- Authoring and Multimedia.
- the use of social media and web 2.0 tools including blogs, wikis, virtual worlds
- Artificial Intelligence

Students learn to:
- Design, produce and evaluate a website for a given purpose.
- Develop and evaluate robotics projects designed to complete a range of challenges.
- Develop skills in the design and production of a digital media product.
- Work with existing code to identify data types and control structures, leading to the development of algorithm descriptions.
- Develop skills using authoring and modeling software in developing multimedia products.
- Manage projects

Assessment is through Practical Assignments, Classwork., Assignments/Homework and Tests

Fees
$20 per year.

How will this course help me in Senior Years?
Having studied Information and Software Technology in Years 9 and 10 is a definite advantage if you are considering Software Design and Development or Design and Technology in Years 11 and 12. Information and Communication skills are an integral part of all senior syllabi and as a result of studying this course, students will be better equipped to make appropriate use of, and informed choices about, information technology and software.