

IST

(INFORMATION AND SOFTWARE TECHNOLOGY)

Information Software & Technology may be studied as a 100-hour course (Year 9 or Year 10) or as a 200-hour (Years 9 and 10) course in Stage 5.

Course Description

People can expect to work and live in environments requiring highly developed levels of computing and technological literacy. Current technologies are becoming obsolete at a rapid rate and new generations will need to be flexible to accommodate changes as they emerge. It is important that students learn about, choose and use appropriate information and software technology and develop an informed awareness of its capacities, scope, limitations and implications. Technological competence in the rapidly evolving area of information and software technology will require lifelong learning.

The study of Information and Software Technology in Stage 5 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. Creative, critical and meta-cognitive thinking skills are developed through students' practical involvement in projects.

What will students learn about?

Students will be to apply their prior knowledge to the study of IST. Students will address such diverse topics as games design and creation, robotics, digital currencies, web design and databases.

The focus is not strictly on programming as such, but will involve a more general overview of the interactions of hardware and software.

What will the students learn to do?

By the end of the course the students should have a confident grasp on the basics and intermediate aspects of contemporary IT systems. They will have experienced the construction of web applications, robotics systems and games development.

Record of School Achievement (RoSA)

Satisfactory completion of 100 or 200 hours of study in Information Software and Technology during Stage 5 (Years 9 and/or 10) will be recorded with a grade on the student's NESA Record of School Achievement.