

Information Software and Technology – Computing

What is this subject about?

Information Software and Technology provides the opportunity for students to be creative and explore their digital world. This subject offers students the possibility of selecting their own focus on assessment tasks using a broad range of software and hardware. The key focus of the course is to design products that combine theoretical and practical components. A variety of assessment tasks are worked on in class time. Topics studied across the two years include:

Year 9	Year 10
<ul style="list-style-type: none">• Digital Media• Database Design• Networking• Robotics and Automated Systems	<ul style="list-style-type: none">• Internet and Website Design• Software Development and Programming• Student-devised Major Project

Why study this subject?

Technology has become an integral part of our society with almost all forms of employment using computers. Computing will continue to impact the way that people work in the future. Students who undertake this course could be better prepared for the study of technology courses in the Higher School Certificate such as Software Design and Development.

Year 9 students are challenged to try innovative ideas and to work on problem solving and design skills. In Year 10 all students will undertake a major project of their own choice that has a focus outside of the classroom. Most students work on a project that extends their skills and knowledge. Regular meetings will be held with the teacher to ensure students are progressing satisfactorily.

Learning experiences

Software that could be used may include, but is not limited to, the following:

- Adobe Suite
- Blender
- A selection of cloud-based software
- Unity, Python, JavaScript

Hardware that could be used includes, but is not limited to, the following:

- Robotics
- Virtual Reality
- Laser cutter
- Raspberry pi
- Electronics
- Other small hardware devices and equipment.