

# Information Technology

**Level:** Stage 2

**Course length:** Full year

**Credit value:** 20 Credits

## Advice to students

This course is for students who wish to undertake a course which has a focus on both practical applications and theory. Some experience with information technologies is desirable and it is to a student's advantage if they have completed SACE Stage 1 IT. The assessment for this subject is both school-based and external.

## Course overview

Students develop and apply specialised skills and techniques in the use of software in a number of information technology areas. They investigate existing information technology systems to discover their nature and components. They develop a range of information technology skills and techniques while creating their own systems that can be tested and evaluated. Students develop the ability to analyse and reflect on issues related to the increased use or a dependence on computer-based systems in society and the ethics associated with these issues.

SACE Stage 2 Information Technology consists of two core topics and two option topics. Both topics will use Action Script 3 as the programming language.

### Core topics:

1. Information Systems
2. Computer and Communication Systems

### Topics:

1. Application Programming
2. Multimedia Programming

## Assessment

Students demonstrate evidence of their learning through the following assessment types.

### *School-based assessment*

- |                           |     |
|---------------------------|-----|
| • Folio                   | 20% |
| • Skills and Applications | 30% |
| • Project                 | 20% |

### *External assessment*

- |   |     |
|---|-----|
| • Examination<br>(on whole of years work) | 30% |
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## Pathways

The study of Information Technology may lead to further study in related higher education and enterprise and vocational education courses, such as:

- Information Technology
- Information Systems
- Computer Science
- Networking
- Multimedia
- Software Analysis and Design
- Systems Analysis
- E-commerce
- Knowledge Management.

## Further information

Students may be required to purchase a revision guide.