

Computing Science Higher

Award Received

Successful completion of your Higher Computing Science outcomes, course work and exam will allow you to attain a Higher Computing qualification.

Higher is Graded A - D.



Entry Level: What do I need to do it?

A good National 5 award in Computing Science or you may be allowed to pick up Higher Computing if you have gained a National 5 Mathematics award and through discussion with Mr Graham or Dr Warner.

Course Content: What will I learn?

There are two Mandatory Units:

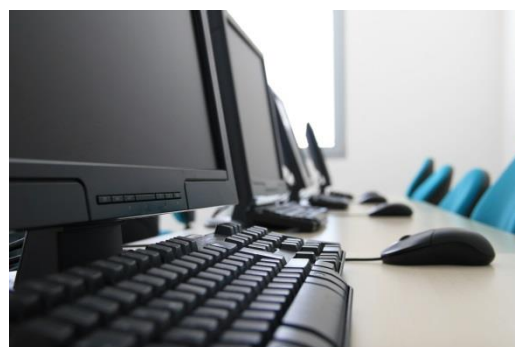
Information System Design and Development will see you implement practical solutions using a range of development tools and to develop an understanding of the technical, legal, and environmental issues related to one or more information systems.

Software design and development unit covers how software is created commercially and what is necessary in a modern software development environment. We will be using Python and will develop a solution to problems using the following stages of the software development process: analysis, design, implementation, testing and documentation.

For more information have a look at the school website Computing section and <https://www.sqa.org.uk/sqa/56924.html>.

Teaching Methods: What will I do?

- Class Discussion
- Problem Solving tasks
- Group work
- Presentations
- Practise exercises
- Computer based tasks
- Real world example analysis



Assessment: How will I be assessed?

You will complete two practical tasks based on each Unit of work. The design and development of a Database for Information Systems and a programming tasks for the Software Development unit are all required to complete the course along with a coursework task that combines both programming and databases.

There is a final exam to complete on the core concepts of the course in May.

Homework.

There will be regular Homework throughout the course to develop your skills. It is essential that you complete this homework to the Highest standard to allow you the best opportunity to succeed in the final exam. Homework will range from completing exercises set in class, topic based homework tasks, video lessons, and Past Paper questions.

Progression in the Senior Phase.

Gaining an A to C at Higher in Computing Science will allow you to progress onto Advanced Higher Computing Science.

