

COMPUTING



Subject Content

The course covers the following three modules:

- Computer Systems and Programming.
- Practical Investigation.
- Programming Project.
- Developing Multimedia ICT Solutions.

All three are tested in the exam paper and modules 2 and 3 are also assessed through controlled assessments.

Assessment

- The course is 60% controlled assessments, with two controlled assessments tasks completed over the two years. There is one theory exam - taken at the end of Year 11.
- Student progress is assessed regularly through home study, class work, practical exercises and practice tests.

Skills Developed

- Pupils will develop problem solving skills, thinking skills, independent learning and decision making skills.
- Pupils will learn how to create and develop programs to solve problems.
- Pupils will understand the concept of an algorithm and how these can be implemented by creating a computer program.
- Pupils will learn how to apply skills learnt in Computing to all their other subjects.

Extra Curricular Activities and Clubs

Three computer rooms are available for students to use at lunchtime if needed.

Useful Internet Website

http://www.teach-ict.com/gcse_computing.html

Provision for Gifted and Talented/ Differentiation

Extension tasks are given out on a regular basis to students aiming for an A/ A*.

The skills, knowledge and understanding obtained in these lessons will help students to achieve more in all their other subjects.

Pupils will learn problem solving skills that will help them improve their ability to work on abstract problems, test and refine solutions and explore how solutions can be applied in many different situations and subjects.

Skill workshops are available for students who need more support.

How the GCSE work builds on the work in Year 9

This is a new subject at GCSE level that pupils will not have studied during Key Stage 3. The work done in ICT lessons on creating animations and games using Scratch is the closest most pupils will have been to the content of this GCSE course.