



GCSE Computing

BY INVITATION ONLY

- CORE COMPULSORY
- NON-QUALIFICATION
- OPTION
- EBACC SUBJECT

Examination board **OCR**

Course code **J275**

Subject contact: Mr P Hughes, Head of Subject

Course description

The ICT Computing GCSE course is a modern course for a modern world. The course will give you an in-depth understanding of how computer technology works and a look at what goes on ‘behind the scenes’. As part of this, you will investigate computer programming and develop understanding of current and emerging technologies.

Unit 1: Computer Systems and Programming

You will develop a mental model of a computer system which comprises hardware and software.

Unit 2: Practical Investigation

This unit is designed to provide you with an opportunity to carry out a practical investigation into a computing issue and engage you with computing in the real world.

Unit 3: Programming Project

For this unit, the exam board will issue a range of assessment tasks each consisting of up to three sub-tasks. The set of tasks within the controlled assessment will provide opportunities for you to demonstrate practical ability to use key skills. You will need to create suitable algorithms which will provide a solution to the stated problem then code their solutions in a suitable programming language. The solutions must be tested at each stage to ensure they solve the stated problem using a suitable test plan with appropriate test data.

Entry requirements

Good prior achievement and progress in ICT is required.

Key skills

Problem solving, project management, independent learning, literacy skills.

Cost

OCR pupil topic summaries are provided free of charge on the VLE to support preparation for the examination.

Assessment

60% Controlled assessment

40% 1 x 1 hour 30 minute examination in Summer of Year 11

The controlled assessment work is submitted in May of Year 11 and comprises two 20 hour tasks; the first is broken into three short programming tasks with a practical investigation.

Careers

Software Developer, Web Developer, Network Manager, Business Analyst, IT Support Analyst.

Further education opportunities

A Level Computing, Applied ICT or another ICT/Computing related Level 3 course.

Enrichment & Support

- Programming support sessions.
- After school coursework catch-up club.