

SUBJECT: GCSE COMPUTING

EXAM BOARD: OCR

Course Description

The OCR GCSE Computing gives students an excellent opportunity to investigate how computers work and how they are used. Students will develop computer programming skills and problem-solving skills.

Topics Covered

Computer Systems & Programming; The Central Processing Unit(CPU), Hardware & Software, Data Representation, Networking, Programming, Algorithms the representation of data in computer systems, Computer Communications and Networking, Programming, as well as Computing Social and Ethical Issues.

Exam Details

Each of the **Computer Systems & Programming** units has an exam at the end of Year 11 of 1 hour 30 minutes which makes up 80% of the assessment of the course.

Coursework / Controlled Assessment Information

The **Programming Project** will teach students to design, code, test and evaluate a solution to a given task using suitable programming languages. This unit is the Non-Examined Assessment (NEA) part of the course and is worth 20%. It is undertaken at the beginning of Year 11.

Enrichment

Students cover Key Stage 4 topics in Year 8 to prepare students for the course content of OCR GCSE Computing. Students interested in the topic are encouraged to attend the lunch time programming clubs to help develop key skills ready for Key Stage 4.

Progression Route/s

Students can take A Level Computing at college which leads to a variety of jobs such as Software and Hardware Engineers. Opportunities are available in game development and testing, encryption and security and database development.