GCSE Computer Science

OPTIONAL SUBJECT

Ebacc Subject

Why study Computer Science?

This is a course that has real relevance in our modern world. Whilst you will no doubt

already have some knowledge of computers and related areas, 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, which

many find interesting.

Information technologies continue to have a growing importance. This means there will

be a bigger demand for professionals who are qualified in this area. If you want to go on

to higher study and employment in the field of Computer Science, you will find that this

course provides a superb stepping stone.

The course will cover

You will learn about the fundamentals of computers including hardware and software.

You will develop your understanding of current and emerging technologies.

For the practical elements of the course, you will learn technical skills, programming

(Python) and gain an understanding of the use of algorithms in computer programs.

The aim will be that you can then solve problems using programming and develop

computer programs.

This course has a high maths content

Assessment

1 Computer systems 50% 1 hour 30 mins

2 Computational thinking, algorithims and programming 50% 1 hour 30 mins

3 Programming project Non-examined 20 hours

School contact Mrs Kirkland

Exam board OCR

Subject code J277

Qualification number 601/8355/X