OCR COMPUTER SCIENCE

Assessment Method

80% Examination 20% Coursework

Why Should I Follow This Course?

In a modern society, Computing skills and the ability to code are some of the most highly sought after!

Studying Computer Science at AS or A Level will *challenge*, *excite* and *intrigue* you, and will make you a dream candidate for many employers.

The content is relevant, up-to-date and will form the basis of a successful future in Computer Science or a Business-based environment.

What Teaching and Learning Methods Will Be Used?

This is an ideal course that combines the theory and technical knowledge behind computing, with a practical application.

Students will have taught lessons, but will also be required to do a number of skills tasks which allows them to be creative and show computational understanding.

Students will also take part in visits to computing-based industries to broaden their understanding, as well as having visiting speakers.

What Will I Learn?

- Fundamentals of programming
- Fundamentals of data structures
- Software development
- Theory of computation
- Fundamentals of data representation
- Fundamentals of computer systems
- Fundamentals of computer organisation and architecture
- Consequences of uses of computing
- Fundamentals of communication and networking
- Fundamentals of algorithms
- Fundamentals of databases
- Big data
- Fundamentals of functional programming

Where Will This Qualification Take Me?

This course is highly prized by Universities as one which shows logic, mathematical skill and creativity. It leads to a number of courses including:

- Computer Science and IT

- Maths

It is also ideal for entry into apprenticeships and employment.