What is involved in the GCSE Computer Science course?

Computing is of enormous importance to the economy, and the role of Computer Science as a discipline itself and as an ‘underpinning’ subject across science and engineering is growing rapidly. Computer technology continues to advance rapidly and the way that technology is consumed has also been changing at a fast pace over recent years.

The growth in the use of mobile devices and web-related technologies has exploded, resulting in new challenges for employers and employees. For example, businesses today require an everincreasing number of technologically-aware individuals. This is even more so in the gaming, mobile and web related industries and this specification has been designed with this in mind.

Students studying this specification will learn how to create applications that:

• Process and store information

• Have a robust user interface In addition they will:

• learn how to create simple computer games

• gain an understanding of the fundamental concepts around creating software applications

• Understand the theory behind Computer Systems

It is important that you enjoy coding in Python as the majority of this course involves computer programming techniques.

What can the course lead to?

Further Education: A Level Computing.

University: Computer science, software engineering, artificial intelligence.

Careers: Programmer, computer hardware, network manager, engineer, financial and resource manager, science and medicine careers.