COMPUTER SCIENCE

Exam Board: OCR
Entry Requirements: Grade 6 in Computer Science and Maths. If Computer Science hasn't been taken students must have a Grade 8 in Maths

COURSE SUMMARY

Studying Computer Science gives you a solid foundation in the underlying principles of computing, for example: understanding how algorithms and computer code are written; how data is stored; how data is transmitted around networks; and how hardware and software work. It also provides you with a deeper understanding that goes beyond the actual technology. For example, you will learn how to use computation to solve problems and to close links between computer science, mathematics and physics. You will learn about the latest methods for solving computable problems and developing your own solutions in the form of programs

COURSE STRUCTURE

Paper 1: Computer systems
Written exam, 2 hours 30 minutes, 40% of A Level

Paper 2: Algorithms and programming
Written exam, 2 hours 30 minutes, 40% of A Level

Non-exam Assessment: 20% of A Level
This assessnent assesses student's ability to use the knowledge and skills gained through the course to solve or investigate a practical problem. Students will be expected to follow a systematic approach to problem solving

CAREER CHOICES

Studying Computer Science at A Level is challenging, but it is also highly rewarding. There are very few jobs that do not involve the use of computers and having a good understanding of the science behind them will effectively prepare you for further study and / or employment.