Course information:

The Computer Science GCSE is a rigorous qualification helping students develop their understanding of current and emerging technologies. Students will acquire and apply knowledge, technical skills and an understanding of the use of algorithms to solve problems using programming. They will use this deeper understanding of computer technology to become independent and discerning users of IT, and be aware of the implications of different technologies. Finally they will learn how to develop computer programs to solve a range of problems.

The course will help you learn about critical thinking, analysis and problem solving. We hope you’ll find it a fun and interesting way to develop these skills, which can also be transferred to other subjects and even applied in day-to-day life

**This subject is a challenging subject and you will need to have shown competence and commitment in KS3 Computer Studies to be accepted onto the course**

Skills:

• Programming skills

• Understand and solve problems using computational thinking

• Analytical skills

• Creativity

• Critical-thinking skills

• Resilience

Potential careers:

Software developer

Website developer

IT Consultant

App developer

Programmer

Network engineer

Data analyst

**Practical programming**

Students are to be given the opportunity to undertake a programming task(s) during their course of study which allows them to develop their skills to design, write, test and refine programs using a high-level programming language. Students will be assessed on these skills during the written examinations, in particular component 02 (section B).