Why choose Computer Science?

-It’s a great way to develop critical thinking, analysis and problem-solving skills, which can be transferred to further learning and to everyday life

-Computer Science is going to become part of the English Baccalaureate and it will be included as one of the qualifications that count towards new school performance measures.

Course Aims:

This qualification enables students to

-Develop their understanding of current and emerging technologies and how they work

-Look at the use of algorithms in computer programs

-Become independent and discerning users of IT

-Acquire and apply creative and technical skills, knowledge and understanding of IT in a range of contexts

-Develop computer programs to solve problems

Introduction:

The new Computer science qualification has been redeveloped under the new 9-1 grading system with updated content. Computer science is a fast-moving field that brings together many disciplines, including mathematics, programming, engineering, the natural sciences, psychology and linguistics. Computer Science is the theory and practice underpinning Information Technology. From its mathematical foundations it spans hardware and software engineering, the user interface, and the extension of computing technology into new and exciting areas.

What Skills will I need?

An interest in mathematics and problem solving

Knowledge or interest of coding languages

The ability to read and interpret information

Basic computer and technology skills including using

computers and other technology

An enjoyment of using technology

Next Steps

Students achieving the GCSE award are able to progress to:

A– Level GCE Computer Science

Cambridge Technical IT (Level 3)

Employment with training

Careers:

Programmer

Games Designer

Software Developer

IT Technician