



What will I study?

This exciting GCSE gives you an excellent opportunity to investigate how computers work and how they're used, and to develop computer programming and problem-solving skills. You'll also do some fascinating in-depth research and practical work. For example, some of the current investigations look at JavaScript, encryption and assembly language programming.

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.

- The computer systems and programming unit will teach you the theory about a wide range of issues such as hardware and software, the representation of data in computer systems, databases, computer communications and networking, programming and more.
- The programming project will call on you to design, code and test solutions to three tasks using suitable programming languages.

How will I be assessed?



What advanced courses can this subject lead on to?

You will be in a good position to take A-levels in Computing or Maths related subjects.

What might this subject lead you on to after leaving school?

The course is also an excellent preparation if you want to study or work in areas that rely on the skills you'll develop, especially where they're applied to technical problems. These areas include engineering, financial and resource management, science and medicine.



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- The computer systems and programming unit will teach you the theory about a wide range of issues such as hardware and software, the representation of data in computer systems, databases, computer communications and networking, programming and more.
- The practical investigation is all about engaging with computing in the real world. You'll look at a computing topic in more depth and carry out a practical investigation into a computing issue.
- The programming project will call on you to design, code and test solutions to three tasks using suitable programming languages.

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