

What can I do after I have finished my course?

This course provides excellent preparation for higher study and employment in Computer Science.

If you take a GCSE in Computing and then go on to study the subject at A Level or university, you'll have an advantage over fellow students who are picking up the subject at these higher levels. The increasing importance of information technologies means there'll be a growing demand for professionals who are qualified in this field.

Are there any visits/fieldwork relating to this course?

Visits from professionals including software developers and the MET office. Visits outside school to be arranged.

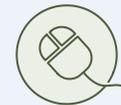
FAQ

What does GCSE Computing offer me?

- Gives learners a real, in-depth understanding of how computer technology works.
- Provides excellent preparation higher study and employment in the field of Computer Science.



COMPUTING



WHAT DOES THE COURSE INVOLVE?

This qualification is part of the English Baccalaureate

Through this qualification, students can:

- 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
- Evaluate the effectiveness of computer programs/solutions and the impact of computer technology in society

A brief outline of the course:

Year 10: Programming practice (Python) learning the three main constructs of programming: sequence, conditionals and iteration.

Research, theory based lessons on topics such as binary, computer systems, legal and ethical considerations with IT, databases, computer hardware and software (including examining inside a computer), sound and image files and more.

We will also do some preparation work for the Controlled Assessment units A452 and A453.

Year 11: Completion of the Controlled Assessment tasks, more theory, research and practical tasks to include revision for the exam.

Structure of exam/split coursework/exam

Unit A451: Computing systems and programming

Written paper, a mixture of short and long answer questions 1.5 hours 40% of the total GCSE

80 marks

The theory side

Unit A452: Practical investigation task

Controlled Assessment 20 hours 30% of the total GCSE

45 marks

Currently investigating and using app inventor. This unit does involve writing!

Unit A453: Programming project

Controlled Assessment 20 hours, 30% of the total GCSE 45 marks.

Three programming tasks using a variety of techniques. This unit does involve writing!

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Year 11: Completion of the Controlled Assessment tasks, more theory, research and practical tasks to include revision for the exam.