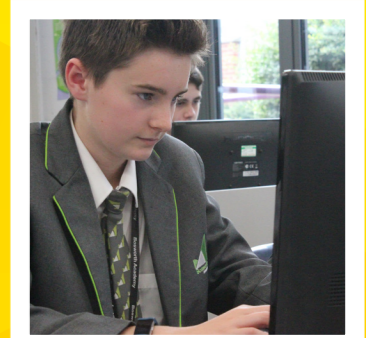
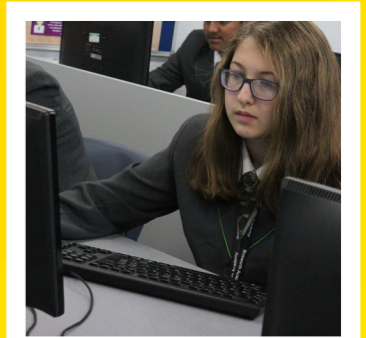


GCSE



TO LEARN TO ACHIEVE

COMPUTER SCIENCE



Contact

Please do not hesitate to contact us if you would like to find out more information on Computer Science or Information Technology at Bosworth Academy using the contact information below:

**Mr A Dolinsk, Mr I Ahmed
and Miss V Flewitt**

**Bosworth Academy
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Desford
Leicester
LE9 9JL**

Tel: **01455 822841** Ext: **350**
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GCSE COMPUTER SCIENCE

WHAT IS GCSE COMPUTER SCIENCE?

This subject is all about how computers work and how we can use them to help us solve complex problems.

WHAT WILL I LEARN ON THIS COURSE?

You will develop an understanding of:

- The fundamentals of algorithms
- The fundamentals of databases
- Programming
- Fundamentals of data representation
- Computer systems
- Fundamentals of computer networks
- Fundamentals of cyber security
- Ethical, legal and environmental impacts of digital technology on wider society, including issues of privacy
- How to become an independent and discerning user of IT

WHAT IS EXPECTED OF ME?

You will develop your skills both inside and outside of the classroom. We expect students who take this course to have a keen interest in Maths and Science and are willing to spend at least 2-3 hours per week outside of lessons developing their programming skills.

ON THIS COURSE YOU WILL HAVE THE OPPORTUNITY TO:

- Voice your opinions about current and emerging technologies
- Access course materials via our cloud based VLE (learn in class and at home, through differentiated interactive learning materials)
- Make use of learning technologies that make learning accessible and fun
- Work independently, in pairs and in groups
- Access personalised forums where students can help each other learn
- Keep track of all feedback from teachers and peers through the cloud service
- Improve all your work by making use of personalised feedback

HOW WILL I BE ASSESSED?

There are two written exams and one programming project.

Exam 1: Computer Science Theory.

Exam 2: Programming Theory.

In house programming project.

WHY CHOOSE GCSE COMPUTER SCIENCE?

We are living in a world where computers and the internet are playing an increasingly important part in our everyday lives. All of us will be users of technology at work or at home. Some will be designers and programmers of the technology used by others or, specifically, in their own areas of work. We all interact with the technology in many different ways!

Studying Computing at GCSE level is a great way to develop critical thinking, analysis and problem-solving skills, which can be transferred to further learning and to everyday life. It is specifically designed for students who enjoy studying mathematics and science.