

Computing/ICT Department



The Department

Computer Science and ICT is a hugely important component of the Academy's technology curriculum. Technology is a central part of the Academy curriculum and contributed greatly to the Outstanding report given by Ofsted.

The Computing/ICT department is a supportive and friendly environment; staff are enthusiastic about their subject and work hard to get the best out of students. There are currently three full time members of staff, with a huge range of experience and expertise.

The department is extremely well resourced. Each teacher has their own room equipped with 30 up-to-date PCs, a projector and IWB. All PCs in the Academy have a fast Internet connection, recently upgraded. The department is strongly supported by the Academy's experienced network team that provide maintenance of the network and ICT infrastructure.

The Curriculum

In years 7 and 8 students follow the exciting key stage 3 curriculum based on developing computer science skills including programming, computer science theory and binary data. Students will also learn about online safety, information reliability and bias and learn how to use spreadsheet and graphic design software, improving their overall ICT skills and digital literacy. Students will then be ready to take these skills into key stage 4 and beyond.

In year 9 students can opt for GCSE Computer Science or ICT. These are two separate courses that are both highly popular choices among the students. Computer Science emphasises logic and problem-solving skills and teaches the science behind computing technology. Students learn to program in Python and they create a programming project alongside their theory work. ICT emphasises the use of software and development of software skills, in particular graphic design and web design software. We currently use Adobe Fireworks, Photoshop and Dreamweaver. Department results last year were outstanding with 71% of last year's GCSE Computer Science students gaining grades 9-7.

At key stage 5, many students take the A-level in Computer Science. Numbers have been growing steadily for this course in the last couple of years and this is now a very popular option. We have a large number of internal GCSE Computer Science students who take this option as well as external students from other schools in the area.

Results achieved in all examinations are well above the national averages.

The Candidate

We are looking to appoint a candidate that shows:

Excellent classroom practise

Excellent subject knowledge

Ability to deliver the curriculum across all key stages

Willing to get involved in the development of Computer Science and ICT as discrete subjects and across the Academy.