

Head of Department: Mr L. Gillion

In the rapidly-developing world of the 21st century, a high degree of IT literacy is crucial to success. Now more than ever before, it is essential for school-leavers to have the ability to keep up with evolving trends in digital media and technology. The study of computer science is extremely broad and wide-ranging, encompassing practical elements of computing, such as coding and programming, as well as broader questions such as the ethics of technology.

KS4

Students taking a GCSE in computer science follow the OCR specification, a rigorous course which helps them to develop and refine their skills in such technical areas as algorithms and programming. They also begin to consider the broader picture, exploring the key legal and ethical concerns which surround our modern-day society and its growing reliance upon technology. The course specifically focuses upon developing students' computational thinking and problem-solving skills, as they learn how to code for specific purposes and with specified outcomes. Students are encouraged both to develop their understanding of core concepts in computer science, and also to apply this knowledge through the devising of creative solutions.