



Curriculum Statement

Computer Science

GCSE: Students follow the OCR Computer Science GCSE.

KS4: Powerful knowledge in Computing is based on the ability to abstract and decompose a problem, to produce a solution through thorough investigation. The course is built on the understanding and application of the fundamental principles and concepts of Computer Science, including abstraction, decomposition, logic, algorithms, and data representation. Students are given the opportunity to analyse problems in computational terms through practical experience of solving such problems, including designing, writing and debugging programs.

Thinking creatively, innovatively, analytically, logically and critically, students understand the components that make up digital systems, and how they communicate with one another and with other systems. They also understand the impacts of digital technology to the individual and to wider society.