GCSE OCR Computer Science Learning Journey

Curriculum intent: 1. understand and apply the fundamental principles and concepts of Computer Science, including abstraction, decomposition, logic, algorithms, and data representation 2. analyse problems in computational terms through practical experience of solving such problems, including designing, writing and debugging programs 3. think creatively, innovatively, analytically, logically and critically 4. understand the components that make up digital systems, and how they communicate with one another and with other systems 5. understand the impacts of digital technology to the individual and to wider society 6. apply mathematical skills relevant to Computer Science.



Prior knowledge, learning and progression

Pupils at William Edwards school follow a KS3 program that is designed to prepare them for a GCSE in computing. The topics listed at KS3 are built upon in KS4, and further develop the key knowledge and skills to progress into KS5.

Practical Programming

All students must be given the opportunity to undertake a programming task(s), either to a specification or to solve a problem (or problems), during their course of study. Students may draw on some of the content



"Inspirational Learning with a strong sporting ethos"