A Level Computer Science
At St Joseph's College

The WJEC Eduqas A level in Computer Science has been designed to give an indepth understanding of the fundamental concepts of computer science and a broad scope of study opportunities. The subject integrates well with subjects across the curriculum. It demands both logical discipline and imaginative creativity in the selection and design of algorithms and the writing, testing and debugging of programs.

Assessment

Component 1
Programming and Sytem Development
Written exam: 2 hours 45 minutes
40% of A-level
This component investigates programs, data structures, algorithms, logic, programming methodologies and the impact of computer science on society.

Component 2
Data Representation, Computer Architecture, Data Communication and Applications
Written exam: 2 hours 45minutes
40% of A-level
This component investigates computer architecture, communication, data representation, organisation and structure of data, programs, algorithms and software applications.

Component 3
Programmed Solution to a Problem
Non Exam Assessment
20% of A-level
Candidates discuss, investigate, design, prototype, refine and implement, test and evaluate a computerised solution to a problem chosen by the candidate which must be solved using original code (programming).

"Everybody in this country should learn how to program a computer . . . because it teaches you how to think."
—Steve Jobs