EXCEPTIONAL TEACHING EXCEPTIONAL EXPERIENCE COMPUTER SCIENCE



Subject Information
For admissions in September

Computer Science

Exam Board : AQA

Specification Link: https://www.aqa.org.uk/subjects/computer-science/a-level/computer-science-7517/specification

Course Structure:
10 Fundamentals of programming
11 Fundamentals of data structures
12 Fundamentals of algorithms
13 Theory of computation
14 Fundamentals of data representation
15 Fundamentals of computer systems
16 Fundamentals of computer organisation and architecture
17 Consequences of uses of computing
18 Fundamentals of communication and networking
19 Fundamentals of databases
20 Big Data
21 Fundamentals of functional programming
22 Systematic approach to problem solving
23 Non-exam assessment - the computing practical project

Entry Requirements: 5 GCSE(s) at 9-5 including English and Grade 6 in Maths and Sciences

Possible Progression Routes: The course could lead to numerous university courses in the computer science or science faculties. Also to careers and apprenticeships in the IT and communications industry.

Equipment required: Access to a computer with the appropriate software. Most software required is free to download. If there is any cost for software students may be eligible for support from the 16-19 bursary.

Supporting Subjects: Maths and Physics

Assessments: Paper 1 What's assessed: this paper tests a student's ability to program, as well as their theoretical knowledge of Computer Science from subject content 10-13 above and the skills required from section 22 above.

Assessed by On-screen exam: 2 hours 30 minutes 40% of A-level

Questions: Students answer a series of short questions and write/adapt/ extend programs in an Electronic Answer Document provided by us. We will issue Preliminary Material, a Skeleton Program (available in each of the Programming Languages) and, where appropriate, test data, for use in the exam.

Paper 2: What's assessed: this paper tests a student's ability to answer questions from subject content 14-21 above.
Assessed by written exam: 2 hours 30 minutes 40% of A-level

Questions: Compulsory short-answer and extended-answer questions.

Non-Exam Assessment What's assessed: the non-exam assessment assesses student's ability to use the knowledge and skills gained through the course to solve or investigate a practical problem. Students will be expected to follow a systematic approach to problem solving, as shown in section 22 above.

Assessed 75 marks 20% of A-level

Subject contact: Mr Wayne Kettle
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How to Apply:

To apply to Launceston Sixth please complete our online application form: www.launcestoncollege.uk/sixth-form
Our admissions team will then be in contact to arrange a Sixth Form interview to discuss your options, your aspirations, and to provide advice and guidance on your next steps.

If you cannot access the website, or would like to submit a paper based application please email or call.

ldavey@launcestoncollege.uk

Further details about all of the courses we offer can be found on our website