

KS5 A2 Computer Science Curriculum

Exam Board Link: <http://ocr.org.uk/qualifications/as-a-level-gce-computer-science-h046-h446-from-2015/>

| Unit | Description |
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| <p>Comp1 Computer Systems</p> | <p>Contents includes –</p> <ul style="list-style-type: none"> • The characteristics of contemporary processors, input, output and storage devices • Software and software development • Exchanging data • Data types, data structures and algorithms • Legal, moral, cultural and ethical issues <p>Assessment – (40% of A2) 140 marks, 2 hours and 30 minutes written paper (no calculators allowed)</p> |
| <p>Comp2 Algorithms and Programming</p> | <p>Content includes -</p> <ul style="list-style-type: none"> • Elements of computational thinking • Problem solving and programming • Algorithms to solve problems and standard algorithms <p>Assessment – (40% of A2) 140 marks, 2 hours and 30 minutes written paper (no calculators allowed)</p> |
| <p>Comp3 Programming Project</p> | <p>The student will choose a computing problem to work through according to the guidance in the specification.</p> <ul style="list-style-type: none"> • Analysis of the problem • Design of the solution • Developing the solution • Evaluation <p>Assessment – (20% of A2) 70 marks, Non-exam assessment</p> |