# A-Level

# Computer Science

| What content have the students covered? | How have students been assessed? |
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| **Paper 1 – On screen:**<br><br>Fundamentals of programming<br>Fundamentals of data structures<br>Fundamentals of algorithms<br>Systematic approach to problem solving<br>Theory of computation | <ul><li>End of term exam-style questions in class</li><li>PUPG Exam</li><li>Uplift 1 assessment</li><li>Professional Judgment</li></ul> |
| **Paper 2 - Paper:**<br><br>Fundamentals of data representation<br>Fundamentals of computer systems<br>Fundamentals of computer organisation and architecture<br>Consequences of uses of computing<br>Fundamentals of communication and networking<br>Fundamentals of databases<br>Big Data<br>Fundamentals of functional programming | <ul><li>End of term exam-style questions in class</li><li>PUPG Exam</li><li>Uplift 1 assessment</li><li>Uplift 2 assessment (*Fundamentals of data representation and Consequences of uses of computing only*)</li><li>Professional Judgment</li></ul> |
| **NEA (Non-exam assessment):**<br><br>Computing practical project | *Students completed this component independently but with some teacher support. This component was marked and moderated by the department.* |