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| Autumn 1 | <b>How are algorithms used?</b><br>What is an algorithm?<br>What are the advantages of decomposition?<br>What is abstraction?<br>How are flowcharts and pseudo-code used to represent an algorithm?                                                                                                                                                                                                                                      |
| Autumn 2 |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Spring 1 | <b>Why are most computer programs written in high-level languages?</b><br>What are the advantages and disadvantages of low-level language programming compared with high-level language programming?<br>What are the differences between common program translators?<br>When is it appropriate to use an interpreter,a compiler and aran assembler?                                                                                      |
| Spring 2 | <b>How do I use Boolean expressions made up of NOT, AND, OR, and XOR operations?</b><br>How dol construct truth tables for simple logic circuit diagrams? How do I construct and interpret the results of truth tables?<br>feedback contribute to the development of an interface?                                                                                                                                                       |
| Summer 1 | <b>Exam preparation</b><br>How can I make sure I am revising effectively for this subject?<br>How do I memorise and recall knowledge I need for the exam?<br>How do I maximise marks in this subject's exam?<br>What are the gaps in my knowledge and how can I address them?<br>How do I approach exam questions in this subject to ensure I reach the highest grade?<br>What do I need to do to prepare myself for Sixth Form courses? |
| Summer 2 | <i>Exams</i>                                                                                                                                                                                                                                                                                                                                                                                                                             |