# Y11 Computer Science weekly Revision Plan - Term 1

You should be spending 45 minutes – 1 hour a week on Computer Science revision (which is less than 10 minutes per night) throughout Year 11. The earlier that you can start your revision programme, the better! You should also be aiming to do something whilst you are revising i.e. making flash cards, writing exam responses, annotating extracts so that you are revising with a clear focus!

| Wk beginning | What topic? | Do this… | Watch this… | Practise these… |
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| 12/10/20 | **Fundamentals of algorithms & Basic programming** | Pages 1 to 15 in the CGP revision guide (you all have one). Read through the text 2 to 3 times.<br><br>Create a flash card (up to 12 questions based on the topic). Try and make one flash card for each page. Then cover the answers and test yourself. Even better get someone else in your house to test you. | AQA GCSE (8525) SLR7 What's an algorithm<br><br>https://www.youtube.com/watch?v=KAPi2FgjR3I&list=PLCiOXwirraUCu8_f7LatftW9iXJ-irobW<br><br>AQA GCSE SLR9 The use of data types and casting<br><br>https://www.youtube.com/watch?v=hAYpgKOMPjw&list=PLCiOXwirraUB8a7mpWIeb3RdZsoHeFSOG | Questions on pages 7 and 24 (just the first 9) |
| 19/10/20 | **Advanced Programming concepts & Classification of programming languages** | Pages 16 to 29 in the CGP revision guide (you all have one). Read through the text 2 to 3 times.<br><br>Create a flash card (up to 12 questions based on the topic). Try and make one flash card for each page. Then cover the answers and test yourself. Even better get someone else in your house to test you. | AQA GCSE SLR10 Data structures and the use of arrays<br><br>https://www.youtube.com/watch?v=3ED9BUb4edc&list=PLCiOXwirraUD1L6PR8FkhzDy4ggtsXyO-<br><br>AQA GCSE SLR12 Characteristics and purpose of different levels of programming language<br><br>https://www.youtube.com/watch?v=gtjT-N5NqzA&list=PLCiOXwirraUBCBlSp6yCe56RrzgROABEm | Questions on pages 24 (questions 11 to 24) and 30 |
| **HALF TERM**<br>**Suggested task:** Use Seneca learning to review topics you feel the least confident with. | | | | |
| **MOCK EXAMINATION FORTNIGHT: 02/11/20 - 13/11/20**<br>**Computer Science paper 1 (Computational thinking and problem solving) – 04/11/20 (periods 5 & 6)**<br>**Computer Science paper 2 (Computer systems)– 11/11/20 (periods 5 & 6)** | | | | |

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| 16/11/20 | **Computational logic** | Pages 31 to 38 in the CGP revision guide (you all have one). Read through the text 2 to 3 times.<br><br>Create a flash card (up to 12 questions based on the topic). Try and make one flash card for each page. Then cover the answers and test yourself. Even better get someone else in your house to test you. | AQA GCSE SRL11 Truth tables<br><br>https://www.youtube.com/watch?v=szkAGglhqN4&list=PLCiOXwirraUBxvcr1mzGvSRJLRNJkLAdu | Questions on page 45 (questions 1-11). |
| 23/11/20 | **Data representation** | Pages 39 to 44 in the CGP revision guide (you all have one). Read through the text 2 to 3 times.<br><br>Create a flash card (up to 12 questions based on the topic). Try and make one flash card for each page. Then cover the answers and test yourself. Even better get someone else in your house to test you. | AQA GCSE SLR13 Bit patterns<br><br>https://www.youtube.com/watch?v=gLtPm7AHwm8&list=PLCiOXwirraUAbqsUwRtXDrz4T0_w21q6N | Questions on page 45 (questions 12 - 22) |
| 30/11/20 | **System architecture** | Pages 46 to 48. in the CGP revision guide (you all have one). Read through the text 2 to 3 times.<br><br>Create a flash card (up to 12 questions based on the topic). Try and make one flash card for each page. Then cover the answers and test yourself. Even | AQA GCSE SLR1 The Von Neumann architecture<br><br>https://www.youtube.com/watch?v=fCE1ohtq2c4&list=PLCiOXwirraUAMt0okkKAA1fYuDLZ_HWb2 | Questions on page 56 (questions 1-12) |

| | | better get someone else in your house to test you. | | |
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| 07/12/20 | **Memory and storage** | Pages 49 to 52 in the CGP revision guide (you all have one). Read through the text 2 to 3 times.<br><br>Create a flash card (up to 12 questions based on the topic). Try and make one flash card for each page. Then cover the answers and test yourself. Even better get someone else in your house to test you. | AQA GCSE SLR2 RAM & ROM<br><br>https://www.youtube.com/watch?v=nmAy9l0cI_I&list=PLCiOXwirraUDECXjaR8T2h2S5rkz8kWzb | Questions on page 56 (questions 1-12) |
| 14/12/20 | **System software** | Pages 53 to 55 in the CGP revision guide (you all have one). Read through the text 2 to 3 times.<br><br>Create a flash card (up to 12 questions based on the topic). Try and make one flash card for each page. Then cover the answers and test yourself. Even better get someone else in your house to test you. | AQA GCSE SLR6 Hardware and software - an introduction<br><br>https://www.youtube.com/watch?v=bxlEXlbGPcI&list=PLCiOXwirraUB-DogvpQrBRMgkx81zXwOJ | Questions on page 56 (questions 19 - 29) |