



COMPUTING

The 4th year end of unit exam will cover the following areas:

- Programming Basics (Data types and Operations, Sequence and Selection, Iteration, Arrays, Records and Files)
- Data Representation (Storage units and Binary Numbers, Binary Arithmetic and Hexadecimal, ASCII and Unicode, Images, Sound, Compression)
- Fundamentals of Algorithms (Developing Algorithms using Flowcharts, Developing Algorithms using Pseudocode)
- Computer Systems (Boolean Logic, Application and System Software, Systems Architecture, CPU and F-E Cycle, Memory, Secondary Storage)
- Impacts of Digital Technology (Ethical Issues, Digital Technology in Society, Legislation and Privacy)
- Fundamentals of Computer Networks (Wired and Wireless Networks, Network Topologies and Transmission, Network Security)

There is an AQA revision book out now which the boys can buy. I have ordered some and the boys can buy them from me. They haven't been delivered yet but boys can either wait to buy them from me or buy them online.

- <https://www.amazon.co.uk/GCSE-Computer-Science-Revision-Guide/dp/1782949313/>

There is also an exam practise workbook which can be bought from:

- <https://www.amazon.co.uk/GCSE-Computer-Science-Practice-Workbook/dp/1782949321/>

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Other websites for revision are as follows:

- http://www.teach-ict.com/2016/GCSE_Computing/AQA_8520/aqa_8520_home.html
- https://bournetocode.com/projects/GCSE_Computing_Fundamentals/index.html
- https://www.youtube.com/playlist?list=PL04uZ7242_M6yJQRfFcPUhAxykFNUuPQy6
- <https://www.memrise.com/course/626588/aqa-computer-science-gcse/>
- <https://www.bbc.com/education/subjects/z34k7ty>