

Year 11 Computing – Mock 2

Year Group:	11
Subject:	Computing
Tier (if applicable):	

Details of mock exam

Paper to be sat:	2 hours - mostly Paper 1, some Paper 2
Topics to be covered in the mock:	Pseudo Code/Algorithms: creation and interpretation (paper 1) Python: understanding examples and writing own (paper 1) Compression: Huffman Trees (paper 2) SQL and databases (paper 2) Legal, Ethical and Environmental Issues (paper 2)

Materials to support your revision

Link to Online Resources:	See relevant sections (listed above) in Moodle course (student login required) - https://www.qehs.net/moodle2/course/view.php?id=500 https://senecalearning.com/ https://www.gcsepod.com/ https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4/subjects/computing https://quizlet.com/gb/262215394/qehs-gcse-computing-key-words-flash-cards/ https://isaacomputerscience.org/topics/gcse#all (can also look at the AQA section) https://filestore.aqa.org.uk/resources/computing/specifications/AQA-8525-SP-2020.PDF exam board specification
Link to exemplar questions or past papers to use:	https://filestore.aqa.org.uk/resources/computing/AQA-85251-PQ-S1.PDF https://www.aqa.org.uk/subjects/computer-science-and-it/gcse/computer-science-8520/assessment-resources
Link to model answers or mark schemes:	http://www.aqa.org.uk/subjects/computer-science-and-it/gcse/computer-science-8520/assessment-resources (look for “Paper 1” and “Paper 2” mark scheme and student response resources)
Recommended revision guides:	ISBN numbers: 9781910523223, 9781910523254, 9781510484306 Relevant chapters based on topics covered above
In house booklets:	All students have been loaned a mini revision guide (Daydream)

	None – own class books are full of notes and practice questions.
For essay subjects and longer answer questions – suggested question titles for practice:	Discuss the legal, ethical and environmental issues relating to wearable technology. (9 marks)

GCSE Computing revision – February 2022 mock topic list.

Below are the main themes of the exam that you will sit. Please use the AQA specification to help you with the detail needed for each section. See school website for list of websites to support you.

Topic	Specification Point	Theme
3.1 Fundamentals of Algorithms	3.1.1	Representing Algorithms
3.2 Programming	3.2.1	Data Types
	3.2.2	Programming Concepts
	3.2.3	Arithmetic operations in a programming language
	3.2.4	Relational operations in a programming language
	3.2.5	Boolean operations in a programming language
	3.2.6	Data structures
	3.2.7	Input/Output
	3.2.8	String handline operations in a programming language
	3.2.9	Random number generation in a programming language
	3.2.10	Structured programming and subroutines
3.3 Fundamentals of data representation	3.3.8	Data compression (ignore RLE)
3.7 Relational databases and structures query language (SQL)	3.7.1	Relational databases
	3.7.2	Structured query language
3.8 Ethical, legal and environmental impacts of digital technology on wider society, including issues of privacy	All	