

## GCSE Computer Science - mock exam revision list (February 2022)

The following topics should be revised before your mock exams. Use the links to view videos on each topic and refer to the page numbers provided in your CGP revision book. Remember to attend your weekly revision sessions every Tuesday after school. Good luck!

Topic	Video	CGP book page no.
CPU components and registers	<a href="#">Click here</a>	2-3
Factors affecting performance of the CPU	<a href="#">Click here</a>	7
Embedded Systems	<a href="#">Click here</a>	1
RAM and ROM	<a href="#">Click here</a>	6
Virtual memory	<a href="#">Click here</a>	6
Flash memory	<a href="#">Click here</a>	8
Secondary Storage	<a href="#">Click here</a>	8-9
Factors affecting performance of a network	<a href="#">Click here</a>	36
Network Hardware	<a href="#">Click here</a>	35
Wireless Networks	<a href="#">Click here</a>	36
DNS	<a href="#">Click here</a>	43
Network Topologies	<a href="#">Click here</a>	38
TCP/IP	<a href="#">Click here</a>	42
Operating Systems	<a href="#">Click here</a>	12-14
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Utility Software	<a href="#">Click here</a>	15
Preventing unauthorised access to data	<a href="#">Click here</a>	59
Environmental factors	<a href="#">Click here</a>	58
Open v Closed source	<a href="#">Click here</a>	60
Encryption		15
Abstraction	<a href="#">Click here</a>	64
Binary Search	<a href="#">Click here</a>	69
Linear Search	<a href="#">Click here</a>	69
Bubble Sort	<a href="#">Click here</a>	71-72
Merge Sort	<a href="#">Click here</a>	71-72
Insertion Sort	<a href="#">Click here</a>	71-72
Following and writing algorithms	<a href="#">Click here</a>	65-66
Sequence, Selection & Iteration	<a href="#">Click here</a>	83-85
Data Types	<a href="#">Click here</a>	76
Defensive design	<a href="#">Click here</a>	106
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Maintainability	<a href="#">Click here</a>	105
Translators	<a href="#">Click here</a>	112
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Errors in code	<a href="#">Click here</a>	107
Logic gates	<a href="#">Click here</a>	88-89
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Binary to Denary conversion	<a href="#">Click here</a>	20
Binary Addition	<a href="#">Click here</a>	21
Hexadecimal	<a href="#">Click here</a>	23-24
Storing images in Binary	<a href="#">Click here</a>	28
Sampling sound	<a href="#">Click here</a>	29
Compression	<a href="#">Click here</a>	30