

GCSE Computer Science Homework 2026-27

Homework is set from September each year and covers previous topics covered on the course. This is to allow for revision and interleaving of the course content. Homework is set on a Tuesday in week 2 and is due 9 days later on Thursday in week 1. It is available on paper and as an electronic version on Google Classroom.

Date Set	Date Due	Topic	Section
08/9/26	17/9/26	Network classifications & server types	9
		The Internet	10
		The Internet 2	11
		Network Types	12
		Network Hardware	13
		Network Topologies	14
22/09/26	2/10/26	Network Protocols	15
		Network Communication	16
		Ethernet & Network Layers	17
		Wi-Fi & Network performance	18
		Computer Security – Methods of Attack	19
		Computer Security – Methods of Attack 2	20
6/10/26	15/10/26	Computer Security – Malware	21
		Computer Security – Malware 2	22
		Computer Security – People	23
		Operating Systems	25
		Utility Software	25
		Decomposition	29
21/10/26	5/11/26	Abstraction	30
		Algorithmic Thinking	31
		Linear and Binary Searches	32
		Sorting 1 – Bubble Sort	33
		Sorting 2 – Insertion Sort	34
		Sorting 3 – Merge Sort	35
10/11/26	19/11/26	Flow Diagrams 1	36
		Flow Diagrams 2	37
		Assignment, Variables, Constants & Sequences	38
		Data Types	39
		Inputs, Outputs and Casting	40
		Numeric Operations	41
24/11/26	3/12/26	File Operations	50
		Procedures	51
		Functions	52
		Comments and Readability	57
		String Manipulation	48
		String Manipulation 2	49
8/12/26	17/12/26	IF Statements & Boolean Operators	42
		Nested IF & SWITCH-CASE Statements	43
		WHILE< DO-UNTIL Loops	44
		FOR Loops	45
		Arrays	46
		2D Arrays	47

Date Set	Date Due	Topic	Section
5/1/27	14/1/27	Databases	53
		SQL	54
		Computer Systems	1
		Computer Architecture	2
		The CPU	3
		The CPU 2	4
19/1/27	28/1/27	Coding Instructions	5
		RAM, ROM, & Virtual Memory	6
		Storage Technologies & Media	7
		Storage Devices	8
		Logic gates	68
		Authentication, Misuse & Contingencies	55
2/2/27	11/2/27	Validation and Verification	56
		Errors and Testing	58
		Assemblers, Compilers & Interpreters	75
		IDE's	76
		Computing Units	59
		Binary	60
23/2/27	4/3/27	Binary to Denary Conversions	61
		Denary to Binary Conversions	62
		Binary Addition	63
		Hexadecimal to Denary Conversions	64
		Denary to Hexadecimal conversions	65
		Hexadecimal to Binary conversions	66
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		Character Sets – Unicode	70
		Images and Pixels	71
		Image Size	72
		Digitising Sound	73
		Compression and Internet File Formats	74
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		Legislation	26
		Ethics, Culture & the Environment	27
		Open Source and proprietary Software	28