GCSE Computer Science Revision Checklist

1. *Read through your lesson notes in Google Classroom and revisit your flash cards for each topic down the left side of this table. Tick off whether you have completed these for the correct subtopics or not. If you haven't, watch the Craig n Dave video then complete them.*
2. *For each topic you must provide a score to reflect how well you think you understand what you've covered. Provide a score of 1-5.*
3. *Identify the topics you most need to revise – and do this as a priority!*

1 = Don't understand	3 = Understand some	5 = Understand all

Section of Topic Paper 1 Content	Craig n Dave Video	Subtopic Completed	Confidence
System Architecture (Components of a CPU, FDE Cycle, Embedded Systems, Virtual Memory and Performance of CPU)	**https://www.youtube.com/watch?v=7Up7DIPkTzo&list=PLCiOXwirraUCvYFmgaS_gQ4eKe1GJqIJa**		
Memory and Storage (RAM, ROM, Secondary Storage)	**https://www.youtube.com/watch?v=dhQOkkZXu5w&list=PLCiOXwirraUCaJP5LxCsFXWgX1_S-liGM**		
Data Representation (Everything Binary, Denary, Hexadecimal, Character Sets, Calculating File Sizes, Images, Sound, Addition, Shifts)	**https://www.youtube.com/watch?v=dhQOkkZXu5w&list=PLCiOXwirraUCaJP5LxCsFXWgX1_S-liGM**		
Networks (LAN, WAN, Network Topologies - Star/Mesh, IP and MAC Addresses, Wired/Wireless)	**https://www.youtube.com/playlist?list=PLCiOXwirraUBnOLZCIxrLTSuIfgvYeWj-**		
Networks Security (Malware, Methods to Prevent Threats)	**https://www.youtube.com/playlist?list=PLCiOXwirraUC2Af_tiNOVMbc35YcrudcP**		
Section of Topic Paper 2 Content	Craig n Dave Video		Confidence
Programming Elements (Inputs, Outputs, Variables, Constants, Assignments, Operators, Casting, Data Types, Arrays)	**https://www.youtube.com/watch?v=dpBe_TXFqZ8&list=PLCiOXwirraUAujkBVyzSh-LjjTCDwMU8v**		
Programming Constructs & Techniques (Sequence, Selection, Iteration | String manipulation, Sub	**https://www.youtube.com/playlist?list=PLCiOXwirraUAujkBVyzSh-LjjTCDwMU8v**		

Programs (Procedures, Functions, Parameters)			
Algorithms & Flowcharts (Reading and Writing Pseudocode, Searching Algorithms (Binary), Sorting Algorithms (Bubble, Insertion, Merge) Computational Thinking (Abstraction, Algorithms, Decomposition, Trace Tables)	https://www.youtube.com/playlist?list=PLCiOXwirraUAzsy9tacd98LBTbj7cyFQV		
Defensive design, Maintainability and Error types (Syntax, Logical)	https://www.youtube.com/playlist?list=PLCiOXwirraUBb_Y1hsCHRgbvq0wXFVnj2		
SQL (SELECT, FROM, WHERE) – This includes writing SQL statements to find data in a database.	https://www.youtube.com/watch?v=X7aJuMJpQxM&list=PLCiOXwirraUAujkBVyzSh-LjjTCDwMU8v&index=9		
Boolean Logic (Diagrams, AND/OR/NOT)	https://www.youtube.com/playlist?list=PLCiOXwirraUCY53WmW5wqNgM4P-vms0Kl		
High and Low Level Languages, Compiler and Interpreter	https://www.youtube.com/playlist?list=PLCiOXwirraUACqOhOXpdnjG5S6qZpurTO		