

## GCSE Computer Science - Year 11 Revision Videos

- You must watch each of the following videos (Craig and Dave YouTube Channel) at least three times (watch each video once, then go through again, then again for a third and final time).
- You need to ensure your parent/carer/guardian is tracking your progress by signing the sheet to verify each video has been watched.
- Spend at least 20 minutes each day on this activity

Title	Link	1st Viewing	2nd Viewing	3rd Viewing
The Von Neumann Architecture	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Characteristics of CPU's	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Embedded Systems	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
RAM and ROM	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Virtual Memory (VM)	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Flash Memory	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
The Need for Secondary Storage	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Data Capacity & Calculation	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Common Storage Types	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Suitable Storage for Given Scenarios	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Types of Networks	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Factors Affecting Network Performance	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Client-Server / Peer-Peer Networks	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
LAN Hardware	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
The Internet	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Virtual Networks	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Star and Mesh Network Topologies	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Wi-Fi	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Ethernet	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
IP MAC Addressing and Protocols	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
The Concept of Layers	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:

Packet Switching	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Forms of Attack	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Threats to Networks	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Identifying and Preventing Vulnerabilities	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
The Purpose and Function of System Software	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Operating Systems 1	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Operating Systems 2	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Utility Software	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Investigate and Discuss New Technologies	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Privacy Issues	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Legislation	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Cultural Implications of Computer Science	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Environmental Impact of Computer Science	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Effects of Computer Science on Key Stakeholders	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Open Source v Proprietary Software	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Abstraction	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Decomposition	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Algorithmic Thinking	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Linear Search	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Binary Search	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Bubble Sort	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Merge Sort	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Insertion Sort	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Pseudocode and Flowcharts	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Variables, Constants, Operators, Inputs, Outputs	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:

Three Main Programming Constructs	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
String Manipulation	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
File Handling	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Arrays/Lists	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Sub Programs	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Data Types and Casting	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Arithmetic Operators	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Boolean Operators	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Storing Data in Programs	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
SQL	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Defensive Program Design 1	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Defensive Program Design 2	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Maintainability of Programs	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
The Purpose and Types of Testing Programs	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Identifying Syntax and Logic Errors in Programs	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Using Suitable Test Data for Programs	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Representing Data in Binary	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Logic Diagrams	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Truth Tables	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Computing Related Mathematics	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Different Levels of Programming Languages	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Translators	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Assemblers, Compilers and Interpreters	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
IDE's	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Units of Data	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:

Denary to Binary Conversion	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Binary Addition	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Binary Shifts	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Denary to Hexadecimal Conversion	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Check Digits	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Characters	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Images	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Sound	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date:
Compression	<a href="#">Click Me</a>	Signed: Date:	Signed: Date:	Signed: Date: