



GCSE Computer Science Revision List

<https://isaacomputerscience.org/topics/gcse?examBoard=all&stage=all#ocr>

<https://www.bbc.co.uk/bitesize/examspecs/zmtchbk>

<https://www.csnews.com/ocr-gcse>

<https://smartrevise.online/>

Paper 1:

- CPU registers: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-1-common-cpu-components-and-their-function>
- CPU characteristics: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-1-the-common-characteristics-of-cpus>
- Fetch, Decode and Execute cycle: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-1-the-purpose-of-the-cpu-the-fetch-execute-cycle>
- Vonn Neumann Architecture: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-1-von-neumann-architecture>
- Embedded systems: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-1-embedded-systems>
- Storage: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-common-types-of-storage>
- Cloud: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-3-the-internet>
- Operating systems and Utility software: <https://student.craigndave.org/videos/slr1-5-systems-software>
- Data capacity conversions: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-data-capacity-and-calculation-of-data-capacity-requirements>
- Binary shifts: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-binary-shifts>
- Representation of character: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-representing-characters-and-character-sets>
- Representation of image: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-representing-images>
- Representation of sound: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-representing-sound>
- Compression: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-2-compression>
- LAN/WAN: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-3-types-of-networks>



- Network hardware: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-3-hardware-to-connect-a-lan>
- Topology's: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-3-star-and-mesh-network-topologies>
- Forms of attack: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-4-forms-of-attack>
- Open source vs proprietary: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-6-open-source-vs-proprietary-software>
- Legislation: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-1-6-legislation-relevant-to-computer-science>

Paper 2

- High level and low level: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-5-characteristics-and-purpose-of-different-levels-of-programming-language>
- Features of an IDE: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-5-ides>
- Structure diagrams: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-1-structure-diagrams>
- Types of errors: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-3-how-to-identify-syntax-and-logic-errors>
- Searching algorithms: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-1-binary-search>
- Logic gates: <https://student.craigndave.org/videos/slr2-4-boolean-logic>
- Abstraction: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-1-abstraction>
- Defensive design: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-3-defensive-design-considerations-part-1>
- <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-3-defensive-design-considerations-part-2>
- Test data/ types of tests: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-3-the-purpose-and-types-of-testing>
- SQL: <https://student.craigndave.org/videos/ocr-gcse-j277-slr-2-2-the-use-of-sql-to-search-for-data>
- Writing of algorithms using sequence, selection, iteration and subroutines: <https://student.craigndave.org/videos/slr2-2-programming-fundamentals>