

Year 11 Revision List

Resources that can be used to revise for your Computer Science mock exam are:

- Smart Revise
- Google Classroom
- Past Papers
- CGP GCSE Computer Science Revision Guide

J277- (Component 1)

| Specification Reference | Sub Topics: |
|--|---|
| 1.1 Systems Architecture | 1.1.1 Architecture of the CPU |
| | 1.1.2 CPU performance |
| | 1.1.3 Embedded systems |
| 1.2 – Memory and storage | 1.2.1 Primary storage (Memory) |
| | 1.2.2 Secondary storage |
| | 1.2.3 Units |
| | 1.2.4 Data storage |
| | 1.2.5 Compression |
| 1.3 – Computer networks, connections and protocols | 1.3.1 Networks and topologies |
| | 1.3.2 Wired and wireless networks, protocols and layers |
| 1.4 – Network security | 1.4.1 Threats to computer systems and networks |
| | 1.4.2 Identifying and preventing vulnerabilities |
| 1.5 – Systems software | 1.5.1 Operating systems |
| | 1.5.2 Utility software |
| 1.6 – Ethical, legal, cultural and environmental impacts of digital technology | 1.6.1 Ethical, legal, cultural and environmental impact |

J277- (Component 2)

| Specification Reference | Sub Topics: |
|--------------------------------|---|
| 2.1 – Algorithms | 2.1.1 Computational thinking |
| | 2.1.2 Designing, creating and refining algorithms |
| 2.2 – Programming fundamentals | 2.2.1 Programming Fundamentals |
| | 2.2.2 Data types |