

GCSE Computer Science

OCR

Oxford Cambridge and RSA

In light of COVID, there have been some changes to the specification ahead of examinations this year. A reminder that students will sit two examinations for this subject: Unit 1 Computer Systems and Unit 2 Computational Thinking.

The exam board have announced that **no changes** will be made to the Unit 2 paper which is scheduled for Friday 27th May 2022. However, the table below highlights topics that students should focus on for their Unit 1 exam, which is scheduled for Monday 16th May 2022.

Specification Reference	Name of topic	Sub-topic
1.1 System Architecture	1.1.1 Architecture of the CPU	The purpose of the CPU Common. CPU components and their features. Von Neumann architecture.
	1.2 Memory and storage	1.2.1 Primary storage (memory) <i>All topics to be covered</i> 1.2.2 Secondary storage <i>All topics to be covered</i> 1.2.3 Units <i>The units of data storage</i> 1.2.4 Data storage Numbers. Characters. Images. Sound. 1.2.5 Compression <i>All topics to be covered</i>
1.3 Computer Networks	1.3.1 Networks and topologies	Factors that affect the performance of networks. Networking hardware. The internet.
	1.3.2 Wired and wireless networks, protocols and layers	Modes of connection. Encryption. IP and MAC addressing. Standards. Common protocols.
1.4 Network security	1.4.2 Identifying and preventing vulnerabilities	Common prevention methods
1.6 Ethics, legal, cultural and environmental impacts of digital technology	1.6.1 Ethical, legal, cultural and environmental impact	Impacts of digital technology in wider society. Legislation relevant to Computer Science.