Computer Science Exam Information
Summer 2022

Paper 1

Monday 16th May - afternoon

The following content from the specification for Component 01 will be included in the exam…

1.1 Systems 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)	*All subtopics to be covered*
1.2.2 Secondary storage		*All subtopics to be covered*
1.2.3 Units		The units of data storage
1.2.4 Data Storage		Numbers. Characters. Images. Sound.
1.2.5 Compression		*All subtopics to be covered*
1.3 Computer networks, connections and protocols	1.3.1 Networks and topologies	Factors that affect the performance of networks. The hardware needed to connect stand-alone computers into a Local Area Network. The Internet as a worldwide collection of computer networks.
1.3.2 Wired and wireless networks, protocols and layers		Modes of connection. Encryption. IP addressing and MAC addressing. Standards. Common protocols.
1.4 Network security	1.4.2 Identifying and preventing vulnerabilities	Common prevention methods.
1.6 Ethical, legal, cultural and environmental impacts of digital technology	1.6.1 Ethical, legal, cultural and environmental impact	Impacts of digital technology on wider society. Legislation relevant to Computer Science.

Paper 2

Friday 27th May - afternoon

All content from the specification for Component 2 will be included in the exam.