

COMPUTER SCIENCE

REVISION LIST – YEAR 11 MOCK EXAMS



For your Year 11 mock exams, you will be completing the following exams in our subject:

Paper	Time	Marks Available
Paper 1 – Computer Science	1 hour 30 minutes	80

To support you in preparing for these exams, you should revise the following aspects of the course:

Topic/ Theme	Started Revision
1.1 Systems architecture ○ The CPU’s registers and their purpose ○ Embedded Systems: Characteristics	
1.2 Memory & Storage ○ RAM and ROM, Virtual memory ○ Units of storage ○ Binary conversion, Binary addition, Binary shift, Hexadecimal ○ Sound: file sizes, bit depth ○ Character sets: ASCII, extended, impact on the number of bits ○ Image files: Metadata ○ compression ○ Secondary storage: Purpose, characteristics (Optical, magnetic, solid state) ○ Utility software	
1.3 Wired and Wireless Networks ○ LAN & WAN ○ Standards and protocols (POP, HTTP, IMAP) ○ Encryption ○ Client server (role of client, role of server) ○ The Cloud ○ Topologies – Long answer question	
1.4 Network topologies, protocols and layers ○ Mesh topology – Definition, benefit, drawbacks ○ Star topology – Definition, benefit, drawbacks	
1.5 System security ○ Know the different legislations and able to describe them	
1.6 Ethical, legal, cultural and environmental concerns ○ Privacy issue, cultural issues of smart speakers	

Maximising Our Potential

Confidence

Respect

Aspiration

Resilience

Kindness