

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	
1.2 Memory & Storage ○ Binary conversion ○ Binary addition ○ Hexadecimal ○ Binary shift ○ Sound ○ ASCII ○ File sizes ○ Secondary storage (Optical, magnetic, solid state) ○ Utility software ○ Operating systems (how they are used for managing memory, peripheral, users or files) ○ Encryption	
1.3 Wired and Wireless Networks ○ LAN & WAN ○ Wi-Fi connections ○ Bandwidth ○ The Cloud	
1.4 Network topologies, protocols and layers ○ Mesh topology – Definition, benefit, drawbacks ○ Star topology – Definition, benefit, drawbacks ○ IPv4 – how it is structured/laid out ○ How a URL converts an IP address	
1.5 System security ○ Know the different legislations and able to describe them	
1.6 Ethical, legal, cultural and environmental concerns ○ Long answer question – Considering ethical, environmental and benefit and drawbacks of a company.	

Maximising Our Potential

Confidence

Respect

Aspiration

Resilience

Kindness