

Computer Science

Year 11 Mock Revision List – Component 2

See knowledge Organiser on Website

Binary	<i>Conversions between Binary, Denary and Hexadecimal</i>
	<i>Logic Gates and their corresponding truth tables</i>
	<i>Binary Addition, Multiplication and Division</i>
	<i>Unit of measurements</i>
Cyber Security	<i>Threats</i>
	<i>Social Engineering</i>
	<i>Malicious Code</i>
	<i>Prevention</i>
	<i>Environmental and Ethical Issues</i>
	<i>Legal Issues in Computing</i>
Data Representation	<i>Image representation</i>
	<i>Huffman coding and binary trees</i>
	<i>Character sets</i>
	<i>Sound representation</i>
	<i>Data compression</i>
Hardware	<i>CPU</i>
	<i>Von Neumann</i>
	<i>FDE Cycle</i>
	<i>Memory and storage</i>
	<i>Cloud Storage</i>
	<i>Embedded systems</i>
Software	<i>Types of software</i>
	<i>Operating systems</i>
	<i>SDLC Stages</i>
	<i>User Interfaces</i>
Networks	<i>Protocols</i>
	<i>Topologies</i>
	<i>Network types (LAN, WAN and PAN)</i>
	<i>TCP/IP stack</i>
	<i>Network security</i>