

<b>Year Group: 10</b>	<b>Subject: Computer Science</b>	<b>Term: Autumn 2021</b>
-----------------------	----------------------------------	--------------------------

<b>Topic</b>	<b>Key Learning points</b>	<b>Assessments</b>
1.1 – Systems architecture	<ul style="list-style-type: none"> <li>• The purpose of the CPU</li> <li>• The fetch-execute cycle</li> <li>• Common CPU components and their function</li> <li>• Von Neumann architecture</li> <li>• How common characteristics of CPUs affect their performance</li> <li>• The purpose and characteristics of embedded systems</li> <li>• Examples of embedded systems</li> </ul>	End of unit assessment
1.2 – Memory and storage	<ul style="list-style-type: none"> <li>• The need for primary storage</li> <li>• The difference between RAM and ROM</li> <li>• The purpose of ROM in a computer system</li> <li>• The purpose of RAM in a computer system</li> <li>• The need for secondary storage</li> <li>• Common types of storage:</li> <li>• Suitable storage devices and storage media for a given application</li> <li>• The advantages and disadvantages of different storage devices and storage media relating to these characteristics:</li> </ul>	End of unit assessment