

# YEAR 8 – COMPUTER SCIENCE

Understanding Computers	Computational Thinking
<ul style="list-style-type: none"> <li>• The role of the CPU in the wider Computer</li> <li>• What binary is and its role in computers</li> <li>• The role of different storage devices and their relative advantages and disadvantages.</li> </ul>	<ul style="list-style-type: none"> <li>• The ability of ask logical questions to deduce answers</li> <li>• Development of an algorithm to solve a problem</li> <li>• How to decompose large tasks into smaller more manageable tasks</li> <li>• How to focus on key details and remove the unimportant</li> </ul>
<ul style="list-style-type: none"> <li>• Central processing unit</li> <li>• Random Access Memory</li> <li>• Read Only Memory</li> <li>• Binary</li> <li>• Magnetic Storage</li> <li>• Optical Storage</li> <li>• Flash Storage</li> </ul>	<ul style="list-style-type: none"> <li>• Abstraction</li> <li>• Decomposition</li> <li>• Algorithm</li> <li>• AND</li> <li>• OR</li> <li>• NOT</li> <li>• Logical words</li> </ul>