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## Year 7 Big Picture – Computer Science

| <b><i>Autumn Weeks 2-15</i></b><br><b><i>7 Lessons</i></b> | <b><i>Spring Weeks 16-27</i></b><br><b><i>4 Lessons (2 lessons allocated to BT &amp; CFS)</i></b> | <b><i>SUMMER Weeks 27-39</i></b><br><b><i>4 Lessons (2 lessons allocated to BT &amp; CFS)</i></b> |
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| <b>Digital Skills</b>                                      | <b>Digital Devices</b>                                                                            | <b>Modelling Data</b>                                                                             |

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| <p><b>Content</b></p> <p><b>5 Lessons over the Whole Term</b></p> <p>This unit has been devised as a transitional unit to allow learners to confidently move from Year 6 to Year 7. By the end of the unit, they should be able to use the school network safely and respectfully.</p> <p><b>Coverage</b></p> <ul style="list-style-type: none"> <li>• Be able to log on to the Computer Network</li> <li>• Find personal documents and common applications</li> <li>• Save images and be able to use the snipping tool</li> <li>• Know how to use the common keyboard shortcuts</li> <li>• Research effectively for a given scenario</li> <li>• Explain the effects of cyberbullying</li> <li>• Use the features of Microsoft Word effectively</li> </ul> | <p><b>Content</b></p> <p><b>4 Lessons over the Whole Term</b></p> <p>This unit progresses students' knowledge and understanding of technology by focussing on digital devices and introducing the concept of computers connected together as a network. A look at the use of Hardware and Software is also considered.</p> <p><b>Coverage</b></p> <ul style="list-style-type: none"> <li>• Computer Devices</li> <li>• Input / Output devices</li> <li>• What is hardware?</li> <li>• Identify different types of hardware and there uses</li> <li>• What are the differences between hardware and software?</li> <li>• What is Software?</li> <li>• Identify different types of software and there uses</li> </ul> | <p><b>Content</b></p> <p>The spreadsheet unit for Year 7 takes learners from having very little knowledge of spreadsheets to being able to confidently model data with a spreadsheet. The unit uses engaging activities to progress learners from using basic formulas to writing their own COUNTIF statements. This unit will give learners a good set of skills that they can use in computing lessons and in other subject areas.</p> <p><b>Coverage</b></p> <ul style="list-style-type: none"> <li>• Spreadsheets</li> <li>• Use cell references</li> <li>• Use the autofill tool</li> <li>• Format data</li> <li>• Create formulas for add, subtract, divide</li> </ul> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p><b>Big Test 1 in Weeks 11th Jan to 23rd</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p><b>Big Test 2 Week 35/36</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |