

Year 7 Big Picture – Computer Science

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

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| <p>Content</p> <p>5 Lessons over the Whole Term</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>Coverage</p> <ul style="list-style-type: none"> • Be able to log on to the Computer Network • Find personal documents and common applications • Save images and be able to use the snipping tool • Know how to use the common keyboard shortcuts • Research effectively for a given scenario • Explain the effects of cyberbullying • Use the features of Microsoft Word effectively | <p>Content</p> <p>4 Lessons over the Whole Term</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>Coverage</p> <ul style="list-style-type: none"> • Computer Devices • Input / Output devices • What is hardware? • Identify different types of hardware and there uses • What are the differences between hardware and software? • What is Software? • Identify different types of software and there uses | <p>Content</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>Coverage</p> <ul style="list-style-type: none"> • Use cell references • Use the autofill tool • Format data • Create formulas for add, subtract, divide • Create functions for SUM, COUNTA, AVERAGE, o MIN, MAX, and COUNTIF • Sort and filter data • Create graphs |
| | <p>Big Test 1 in Weeks 11th Jan to 23rd</p> | <p>Big Test 2 Week 35/36</p> |