



<b>Subject:</b> Computing
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<b>Head of Subject:</b> Miss J Clapham
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<b>Year:</b> Eight
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<b>Organisation of the Subject</b>
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Computing is taught in mixed form groups of 28 students. The students have one of lesson per week. Students are generally working between levels 4 and 7
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<b>Key Concepts (The big ideas underpinning the subject)</b>	<b>Key 'Learning Capacities' in this subject</b>
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| <ul style="list-style-type: none"> <li>• HTML</li> <li>• Networks and the Internet</li> <li>• History of Technology</li> <li>• Computational Thinking</li> <li>• Databases and SQL</li> </ul> | <ul style="list-style-type: none"> <li>• Solving problems independently</li> <li>• Seek assistance whenever required from their teacher or peers</li> <li>• Perseverance – especially if the work becomes challenging</li> <li>• Be able to give feedback to peers and implement feedback received</li> </ul> |
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<b>What will your daughter be learning?</b>	<b>How will your daughter be learning?</b>
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| <ul style="list-style-type: none"> <li>• How the internet connects together</li> <li>• How networks work</li> <li>• How a webpage is formed</li> <li>• Different techniques for creating web based content</li> <li>• Key figures in the development of technology</li> <li>• How we store, edit and manipulate data using databases</li> </ul> | <ul style="list-style-type: none"> <li>• Internet/book based research</li> <li>• Practicing skills on computer</li> <li>• Drawing comparisons between techniques</li> <li>• Exposure to various software</li> <li>• Providing feedback/support to others</li> <li>• Teacher based demonstration / modelling</li> </ul> |
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<b>How will learning be assessed?</b>	<b>What can you do to support your daughter?</b>
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| <ul style="list-style-type: none"> <li>• End of Unit Assessment</li> <li>• Assessment of individual pieces of work</li> <li>• Responses in class</li> <li>• Homework</li> </ul> | <p>Discuss uses for ICT and Computing in the real world<br/>           Highlight careers/jobs that make use of this subject area<br/>           Where software is free (much of it is) allow access to it at home</p> |
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<b>Equipment needed for this subject</b>	<b>Extra-Curricular / Enrichment Opportunities</b>
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It is not necessary for students to have a computer at home, though if it is available; it is useful if students are able to install the free software listed on the software section of the Computing page on the website. A pen, pencil and ruler are required in lessons. Some students like to use a pen drive to transport work home, while others prefer to email or Office 365.	The Computing labs are open every break, every lunch and before school. Students can use these to do work or printing for any subject, homework for Computing if a computer is not available at home. KS3 Code Club runs every Wednesday in Room 7
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