

## yr9 Revision List

## Yr 9 revision list and Links to BBC Bitesize

| Topics                                                                                                                                                                                                                                                                                                         | Suggested Bytesize links                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Cyber security <ul style="list-style-type: none"> <li>You and your data</li> <li>Social Engineering</li> <li>Hacking</li> <li>Malware threats</li> <li>Legislation</li> </ul>                                                                                                                                  | <ul style="list-style-type: none"> <li>Malware - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Legislation - <a href="https://www.bbc.co.uk/bitesize/guides/z9nk87h/revision/1">https://www.bbc.co.uk/bitesize/guides/z9nk87h/revision/1</a></li> <li>Computer Misuse Act - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Copyright Design and Patent Act - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Data Protection Act - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Staying Safe Online - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Social Engineering - <a href="https://www.computingrevision.net/ks3-computer-science/cyber-security/social-engineering">https://www.computingrevision.net/ks3-computer-science/cyber-security/social-engineering</a></li> <li>Hacking - <a href="https://www.computingrevision.net/ks3-computer-science/cyber-security/hacking">https://www.computingrevision.net/ks3-computer-science/cyber-security/hacking</a></li> </ul> |
| Computational Thinking <ul style="list-style-type: none"> <li>Decomposition</li> <li>Abstraction</li> <li>Pattern Recognition</li> <li>Algorithmic Thinking</li> <li>Binary Search</li> <li>Linear Search</li> <li>Bubble Sort</li> </ul>                                                                      | <ul style="list-style-type: none"> <li>Decomposition - <a href="https://www.bbc.co.uk/bitesize/guides/zqgfyrc/revision/1">https://www.bbc.co.uk/bitesize/guides/zqgfyrc/revision/1</a></li> <li>Abstraction - <a href="https://www.bbc.co.uk/bitesize/guides/ztrcdm/revision/1">https://www.bbc.co.uk/bitesize/guides/ztrcdm/revision/1</a></li> <li>Algorithms - <a href="https://www.bbc.co.uk/bitesize/guides/zpp49j6/revision/1">https://www.bbc.co.uk/bitesize/guides/zpp49j6/revision/1</a></li> <li>Pattern Recognition - <a href="https://www.bbc.co.uk/bitesize/guides/zxj6j6/revision/1">https://www.bbc.co.uk/bitesize/guides/zxj6j6/revision/1</a></li> <li>Binary and Linear Search - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Bubble Sort - <a href="https://www.bbc.co.uk/bitesize/guides/z2m3b9q/revision/1">https://www.bbc.co.uk/bitesize/guides/z2m3b9q/revision/1</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Programming <ul style="list-style-type: none"> <li>Input and Output</li> <li>Selection</li> <li>Iteration</li> </ul>                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>Programming Statements - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Selection - <a href="https://www.bbc.co.uk/bitesize/guides/z2p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z2p9kqt/revision/1</a></li> <li>Iteration - <a href="https://www.bbc.co.uk/bitesize/guides/z3khpv4/revision/1">https://www.bbc.co.uk/bitesize/guides/z3khpv4/revision/1</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Database Design <ul style="list-style-type: none"> <li>What is a Database</li> <li>Examples of where a databases are used</li> <li>Data Types</li> <li>Validation</li> <li>Structure of a Database               <ul style="list-style-type: none"> <li>Tables, Queries, Forms, Reports</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>What is a Database and examples - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Data Types - <a href="https://www.bbc.co.uk/bitesize/guides/zswnb9q/revision/1">https://www.bbc.co.uk/bitesize/guides/zswnb9q/revision/1</a></li> <li>Validation - <a href="https://www.bbc.co.uk/bitesize/guides/zswnb9q/revision/1">https://www.bbc.co.uk/bitesize/guides/zswnb9q/revision/1</a></li> <li>Queries - <a href="https://www.bbc.co.uk/bitesize/guides/zswnb9q/revision/1">https://www.bbc.co.uk/bitesize/guides/zswnb9q/revision/1</a></li> <li>Forms and Reports - <a href="https://www.bbc.co.uk/bitesize/guides/zswnb9q/revision/1">https://www.bbc.co.uk/bitesize/guides/zswnb9q/revision/1</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Newspaper and Logo Design                                                                                                                                                                                                                                                                                      | <ul style="list-style-type: none"> <li>Rule of thirds - <a href="https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1">https://www.bbc.co.uk/bitesize/guides/z9p9kqt/revision/1</a></li> <li>Vector/ Raster Graphs -</li> <li>Fonts -</li> <li></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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