

# Computer Science

## Year 8 = Revision Guide

### Online resources:

- BBC Bitesize: <http://www.bbc.co.uk/education/subjects/zvc9q6f>,  
<http://www.bbc.co.uk/education/subjects/z8mtsbk>
- Teach-ICT: <http://teach-ict.com/>

<b>Topic</b>	<b>Content</b>
<b>Spreadsheet</b>	<ul style="list-style-type: none"><li>▪ Know the difference between labels and numeric data</li><li>▪ Enter simple formulae using mathematical operators: = + - / *</li><li>▪ Enter simple formulae using: SUM, AVERAGE, MAX, MIN</li><li>▪ Change data to obtain answers to questions</li><li>▪ State the advantages/disadvantages of using spreadsheets</li><li>▪ Understand spreadsheet terminology e.g. Rows, Columns, Cell reference, etc</li><li>▪ Model developing and using a Spreadsheet</li><li>▪ State the uses of charts</li><li>▪ Understand the uses of various types of charts/graphs</li><li>▪ State the advantages of charting</li><li>▪ Discuss how are charts used to present, interpret and analyse data</li><li>▪ Investigate and interrogate a spreadsheet model.</li></ul>
<b>Database</b>	<ul style="list-style-type: none"><li>▪ Explain the purpose of the key components associated with Databases – fields, records, tables, files, paper-based vs computer-based, etc.</li><li>▪ Answer questions relating to a database by analysing and questioning the data it contains.</li><li>▪ State the purpose of data capture forms.</li><li>▪ Discuss the difference between Automatic Data Capture and Manual Data Capture.</li><li>▪ Describe the methods used in Automatic Data Capture and Manual Data Capture.</li><li>▪ Create queries.</li><li>▪ Choose the correct fields to be displayed in a query.</li><li>▪ Use appropriate criteria to search for data in a table.</li><li>▪ Use operators to show specific data in a query.</li></ul>
<b>Movie Maker</b>	<ul style="list-style-type: none"><li>▪ Know the importance of sequencing in movie making</li><li>▪ Understand why you need to insert a title screen into your movie.</li><li>▪ Understand how images can be used to enhance movie content.</li><li>▪ Understand how to use videos to tell the story of your movie.</li><li>▪ Understand how to use various effects in order to enhance your movie.</li><li>▪ Understand how to choose sounds / music that matches your movie's content.</li><li>▪ Understand why you should include end credits within your movie.</li></ul>
<b>HTML</b>	<ul style="list-style-type: none"><li>▪ Understand what the World Wide Web is.</li><li>▪ Be able to use basic HTML to create a simple web page.</li><li>▪ Know how to use basic HTML tags to create web pages</li></ul>