

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/>

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