



## Computer Science & IT Department

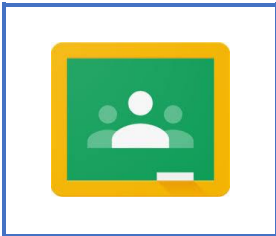
"A great place to learn. A great place to grow."

After school revision Tuesday, Wednesday, Thursday in CR3

Paper 1: Monday 13<sup>th</sup> May 8:45am

Paper 2: Thursday 16<sup>th</sup> May 1:30pm

Qualification overview		
Content	Assessment Overview	
<b>Paper 1: Computer systems</b> <ul style="list-style-type: none"> <li>• <b>Unit 1:</b> Systems architecture memory and storage</li> <li>• <b>Unit 2:</b> Wired and wireless networks</li> <li>• <b>Unit 3:</b> Systems software and security</li> <li>• <b>Unit 4:</b> Ethical legal cultural and environmental concerns</li> </ul>	80 marks 1 hour and 30 minutes Written paper (no calculators allowed)	50% of total GCSE
<b>Paper 2: Computational thinking, algorithms and programming</b> <ul style="list-style-type: none"> <li>• <b>Unit 5:</b> Algorithms</li> <li>• <b>Unit 6:</b> Programming</li> <li>• <b>Unit 7:</b> Logic and languages</li> <li>• <b>Unit 8:</b> Data-representation</li> </ul>	80 marks 1 hour and 30 minutes Written paper (no calculators allowed)	50% of total GCSE



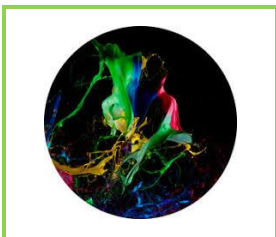
<https://classroom.google.com>

Here you will find all the PowerPoints and relative YouTube videos we have used in lessons. You will also find past papers from for each component. Click on classwork when you log in which can be found at the top centre of the page.



<https://computingheles.wordpress.com>

Here you will find the department website. This will show the breakdown of each unit in the specification as well as relevant YouTube videos for those units.



<https://cambridgegcsecomputing.org/>

This site will give you access to all the content within the specification in the form of quizzes, videos and information. Make sure you click on the section with the icon that is shown to the left on this sheet.



<https://www.senecalearning.com/>

This website will take you through the content of the specification via interactive quizzes and tasks. make sure you focus on the theory one and not the Python one.



<https://bit.ly/2Ff74Xe>

This YouTube link will take you to the Craig and Dave OCR specification play list. Here you will have every section explained via a video.



<https://bit.ly/2HGZOUe>

These are the Computer Science revision books. There are 3 different ones the blue one is the theory book, the white one is the exam question one and the purple is a combination of the two.

"Sometimes it is the people no one can imagine anything of; who do the things no one can imagine."

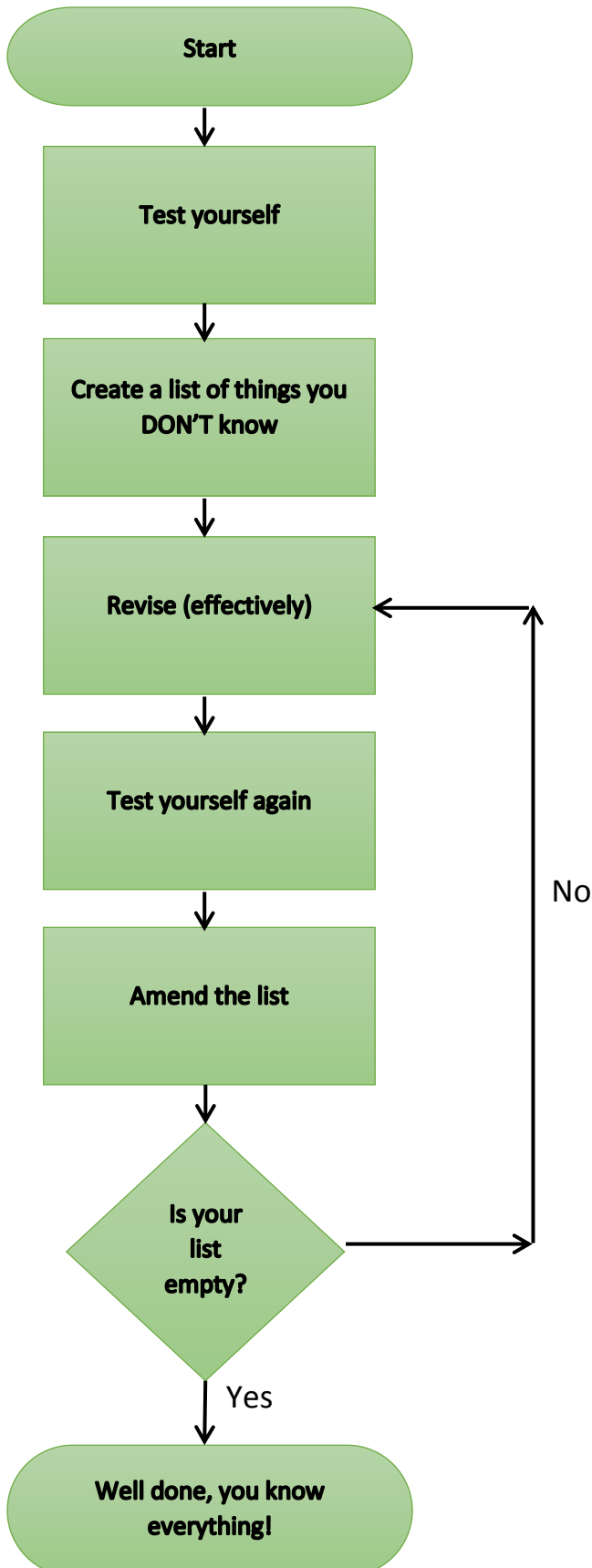
Alan Turing



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# Computer Science Revision Flow Chart



## Effective Revision

1. The whole point is to establish what you **DON'T** know and then learn those things in the most efficient way possible
2. Revision is **NOT** trying to learn every word of every lesson you've ever had.
3. Revision also is **NOT** just reading. If you merely read through your notes, you're wasting your time.
4. Know your limits. You cannot effectively force yourself to revise for hours on end. The average attention span is 15-20 minutes. Stick to revising in small chunks, often. Take frequent breaks to do something completely different.
5. To learn anything properly, you need to be able to turn information into different forms. By processing information, you'll take more in, remember more and have a greater understanding of what it is you're actually trying to learn. This is why merely reading your notes won't help.

Some methods are:

- Mind mapping
- Spider Diagrams
- Creating Cue Cards
- Making a small bullet list of large quantities of information
- Condensing an entire page of notes down into the most important 20 words, or 10 or even 1 word which triggers off your memory of that topic

6. Feeling open minded? Use the technique of world memory champions and mind control expert Derren Brown to build your own "memory palace." It genuinely does work if you're prepared to put the effort in. Find out more via Google or at <http://www.litemind.com/memory-palace/>