COMPUTER SCIENCE

LET'S GET CURIOUS!

Pre-enrolment tasks

In Computer Science, you will be expected to be up to date with events in the news – here are some examples of news articles you are expected to read/watch before you start our course.

Part 1

Articles to read:

ScienceDaily®

Quantum computers just got an upgrade – and its 10× more efficient

https://www.sciencedaily.com/releases/2025/06/250625011632.htm

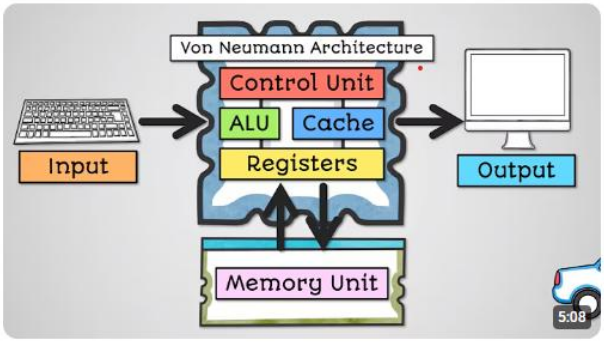
Coding prodigy swapping GCSEs for Silicon Valley

https://www.bbc.co.uk/news/articles/cx2ykx5qv9xo

BBC NEWS

Videos to watch

Ceefax and the birth of interactive TV
https://www.bbc.co.uk/articles/cvg360rr91zo



CPU Architecture
https://www.youtube.com/results?search_query=cpu+architecture+explained

What is Software development
https://www.youtube.com/watch?v=pquPUX1EihM

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Part 2

Practical tasks

Learn how to code in VB.NET

Please download Visual Studios 2022 from the Microsoft platform. This is the IDE you will be using in college to do your programming tasks.

https://visualstudio.microsoft.com/vs/community/

Then please go to YouTube to the following link :-

https://www.youtube.com/watch?v=Y8c1IHZs5qc&list=PLTd6ceoshpremSFQxYM4L0p4Q6hR-4e4J

Please complete lessons 1 – 18 before you start college in September – this will give you a good start to programming, so you are ready for A level Computer Science.

Your **final evidence must be a working calculator programmed in VB** that includes the main basic calculator arithmetic functions, as well as at least 3 of your own mathematical functions. The calculator must be functional and fully tested with no bugs.

Be prepared to share this with your teacher in September.