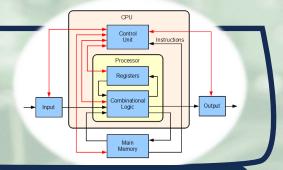
Year

Computer Science



Automaticity

The ability to use some skills with such ease as they no longer require active thinking.



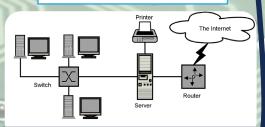
Systems Architecture

Memory and Storage

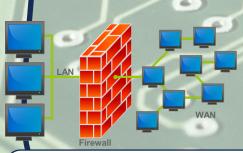


Connection finding

The ability to use connections from past experiences to seek possible generalisations.



Computer networks, connections and protocols



Network Security

Originality

The ability to conceive something entirely new



Systems software



Ethics, legal and cultural

The environmental impact of digital technology...



Computer Science







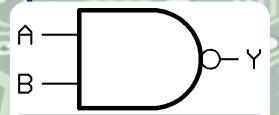
Meta-cognition

The ability to knowingly use a wide range of thinking approaches and to transfer knowledge from one circumstance to another.



Programming fundamentals

And producing robust programs...



Boolean logic

ANALYSING



Precision

The ability to work effectively within the rules of a domain



'apple', 'b': 'boy', 'c': 'cat'} = ((k,v) for k,v in d.items()) rator object <genexpr> at 0x0237C558> or i in t: print(i)

'apple')
'boy')
'cat')
i in t: print(type(i))

Programming languages and integrated development environments



Practical programming tasks



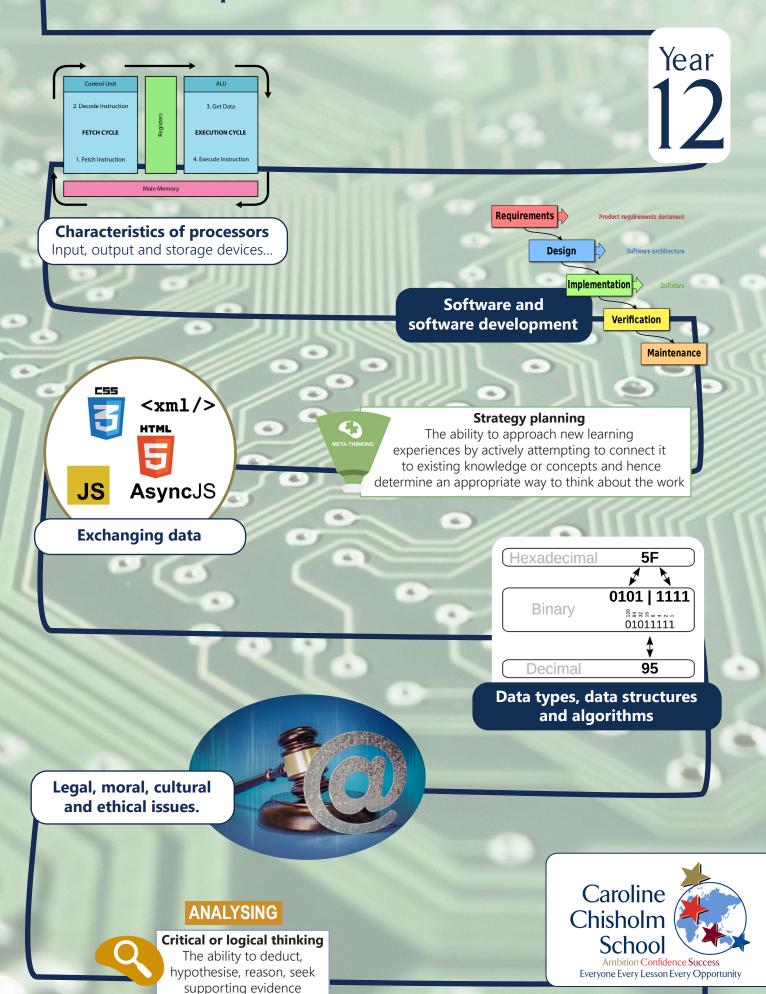






2 exams - 1h30m each usually in May...

Computer Science - A Level



Computer Science - A Level

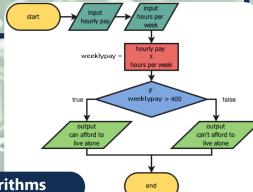
Year 13



Elements of computational thinking



Problem solving and programming



Algorithms



Programming project

Students will complete an independent programming project which they will complete over the course of a year worth 20% of their final grade.

Past projects have included: Robicts, games, Al and more!



REALISING

Speed and accuracyThe ability to work at speed and with accuracy

Revision time...





A Level exams

1. Computer systems

2. Algorithms and programming Each exam is worth 140 marks and 40% of A Level grade.