



Curriculum

Outline of Content

Year 7



Assessment

Autumn Term

System Architecture -

The CPU and Performance, fetch-decode-execute

Memory & Storage -

Primary Storage, RAM/ROM, Purpose of RAM, Purpose of ROM, Units of Data Storage

Binary -

Converting data to Binary, Character Set, ASCII & Unicode

Network Security -

Threats to systems and networks

Spring Term

Algorithms -

Binary Search, Merge Search, Insertion Search

Boolean Logic -

Truth Tables, Boolean AND OR NOT, Combining operators

Programming -

Input/output, Loops, if/else/elif, Data Types, Casting, Maths, Random Numbers, Arrays

Summer Term

Producing Robust Programs -

Purpose of testing, Syntax & Logic Errors

Programming Projects -

Snakes and Ladders game, Cross-Curricular Quiz, Customer Service AI Bot

Autumn Term

- End of term assessment on Autumn term content

Spring Term

- End of term assessment on Autumn and Spring term content

Summer Term

- End of term assessment on Autumn, Spring and Summer term content

End of Year Grade

- Result from Summer term assessment