



Year 10 Computer Science

Exam Board:
Pearson Edexcel
Specification:
1CP2

Topics Covered:

Term 1

Algorithms, data types, variables, string manipulation, relational operators, Boolean operators, binary, hexadecimal, ASCII

Term 2

One dimensional lists, two dimensional lists, for loops, range function, procedures, functions, subprograms, validation, linear searches, stored program concept, fetch decode execute cycle, secondary storage, operating system

Term 3

Merge sort, reading and writing files, string processing, authentication, Turtle, malware, social engineering, data level protection, robust software, network topologies

How is the course assessed?

Ongoing unit tests

- Two examinations at the end of the course each worth 50% of the final mark.
- Paper 1 is a written paper, Paper 2 is sat on computers to give students the opportunity to demonstrate their programming skills.
- Both examinations cover the whole specification.

Links to helpful web-based resources:

www.bcbitesize.co.uk

www.seneca.co.uk

Suggested reading/ revision guides

- Edexcel GCSE (9-1) Computer Science revision guide
- CGP Computer Science revision guide.