

Year 10 Computer Science Preview Sheet

Exam Board: AQA

Syllabus: 8520

Computer systems

- What is a computer system, embedded systems
- CPU
- Memory
- Storage
- System software
- Translators
- Logic diagrams and truth tables

Social impact

- Ethical and environmental impact
- Legislation
- Privacy

Fundamentals of Algorithms

- Computational thinking
- Searching and sorting
- Flow diagrams
- Pseudo code

Fundamentals of programming

- Pseudocode
- Functions
- Constants and variables
- Selection
- Iteration
- Arrays
- Subroutines
- Files
- Exception handling

Structured programming and software development

- Defensive design
- Errors and testing

NEA – 20 hour assessment