



KS5 - A Level Computer Science

Exam board: OCR

Specification: <http://www.ocr.org.uk/qualifications/as-a-level-gce-computer-science-h046-h446-from-2015/>

Year 12 H446/1 | Computer Systems

- The characteristics of contemporary processors
- Operating systems and applications generation
- Compression, encryption and hashing
- Databases
- Data structures
- Data types

H446/2 | Computer Algorithms

- Procedural programming constructs and techniques
- Computational thinking
- Algorithm design
- Algorithms for data structures
- Standard algorithms
- Object oriented programming

Year 13 H446/1 | Computer Systems

- Software development
- Types of programming language
- Legal, moral, ethical and cultural issues
- Networks
- Web technologies
- Boolean algebra

H446/2 | Computer Algorithms

- Computational methods
- Recursion
- Algorithms for data structures
- Standard algorithms
- Algorithm complexity

Assessment H446/1 Computer Systems: 40%
H446/2 Computer Algorithms: 40%
H446/3 Programming Project: 20%

