Year 11 Computer Science November Mock exam

The paper is 2 hours and has questions from both sections of the specification: Content of Computer systems and Content of Computational thinking, algorithms and programming.

You need to revise the topics below for the mock exam:

1.1 Systems Architecture

- Architecture of the CPU
- CPU performance

1.2 Memory and storage

- Primary storage (Memory)
- Secondary storage
- Units
- Data storage (Binary and Hexadecimal)
- Characters

1.3 Network security

- Threats to computer systems and networks
- Identifying and preventing vulnerabilities

1.4 Systems software

- Operating systems
- Utility software

1.6 Ethical, legal, cultural and environmental impacts of digital technology

2.1 Algorithms

- Computational thinking
- Designing, creating and refining algorithms
- Searching and sorting algorithms

2.2 Programming fundamentals

2.3 – Producing robust programs

- Defensive design
- Testing

2.4 – Boolean logic

Useful links

The specification can be found here on the OCR Website:

https://www.ocr.org.uk/Images/558027-specification-gcse-computer-science-j277.pdf

https://www.bbc.co.uk/bitesize/examspecs/zmtchbk

https://www.youtube.com/@craigndave

https://erevision.uk/welcome/students