

January Pre-Public Exams

Paper 1 – 1.5 Hours

1.1 Systems Architecture

- Parts of a CPU

1.2 Memory & Storage

- Units of data storage
- Binary – Denary – Hexadecimal conversion
- Image storage
- File compression
- Sound storage
- ROM & RAM
- Secondary storage

1.3 Computer networks, Connections & Protocols

- Wired & wireless networks
- Network performance
- Network hardware & functions
- Protocols

1.4 Network Security

- Physical security
- Software security
- Legislations

1.6 Impacts of Digital Technology

- Issues surrounding AI & social media.

Exam Board

OCR

Paper 2 – 1.5 Hours

2.1 Algorithms

- Computational thinking concepts
- Writing algorithms
- Trace tables
- Merge sort
- Binary search & Linear search

2.2 Programming Fundamentals

- Data Casting
- Sequence, selection, iteration
- While loops
- SQL statement
- IF statements
- Functions
- Arrays

2.3 Producing Robust Programs

- Maintainability
- Testing

2.4 Boolean Logic

- Logic gates
- Truth tables

Revision advice

- Use the lesson resources that have been provided for you to revise, go over the topics covered and make revision cards to test yourself and a partner.
- Use past papers and end of unit tests.
- Practice programming on Python
- Read through course specification on OCR website

COMPUTER SCIENCE

Revision Resources

The exam syllabus is available from the [OCR](#) website

[Seneca](#)

Craig and Dave videos on YouTube

[CSNewbs.com/ocr-gcse](https://www.csnewbs.com/ocr-gcse)

Any revision aids you have made throughout the course as you prepared for your end of unit tests

Speak to your subject teacher & attend after school/lunch time revision session