

Computer Science GCSE

What do you study?

GCSE Computer Science is split into three elements, two written examination papers and a coursework element, assessing the following:

Component 1 – Computer Systems 1hr 30

- Systems architecture
- Memory
- Storage
- Wired and wireless networks
- Network topologies, protocols and layers
- System security
- Systems software
- Moral, legal, cultural and environmental concerns

These will be examined through a mixture of short answer and extended response questions.

Component 2 – Computational Thinking, Algorithms, and Programming 1hr30

- Algorithms
- Programming techniques
- Producing robust programs
- Computational logic
- Translators
- Data representations

These will be examined through a mixture of short answer and extended response questions

The Coursework element

- Programming techniques
- Analysis
- Design
- Development
- Testing, evaluation, and conclusions
- The above is assessed and awarded holistically rather than in a linear manner
- Programming challenges are released by OCR on the 1st of September the year of submission
- Students will produce a programmed solution to the task and report on their analysis, development, testing and evaluation

Work will be marked by teachers and moderated by OCR

How is the course assessed?

Paper 1 – 1hr30 (40%)

Paper 2 – 1hr30 (40%)

NEA Coursework – (20%)

Exam Board link

OCR