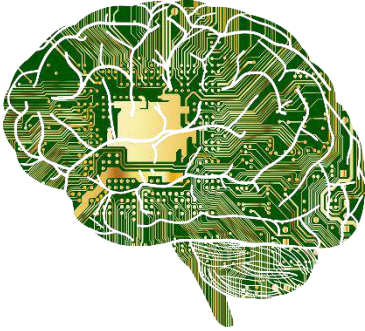




Computer Science GCSE *Curriculum Intent*



The OCR GCSE Computer Science Qualification equips students with essential computing skills for the digital age. It covers programming, algorithms, data representation, and computer systems, fostering problem-solving and critical thinking. Students learn to write code, understand how computers work, and analyse data, preparing them for future careers in technology. The curriculum emphasizes both theoretical concepts and practical applications, promoting creativity and innovation. By engaging with real-world scenarios, students develop a strong foundation in computing, empowering them to navigate and succeed in an increasingly digital world.

Qualification:

☐ OCR GCSE Computer Science (9-1)

Content

1. Programming part 1 - Sequence
2. Computer systems
3. Programming part 2 - Selection
4. Programming part 3 - Iteration
5. Programming part 4 - Subroutines
6. Algorithms part 1 - The essentials
7. Programming part 5 - Strings and lists
8. Data representations
9. Algorithms part 2 - Searching and sorting
10. Programming part 6 - Dictionaries and data files
11. Impacts of technology
12. Computer networks
13. Network security
14. Databases and SQL
15. HTML
16. Object-oriented programming

Assessment

Written examination: 100% - 2 Papers (Computer Systems & Computational Thinking, Algorithms and Programming).

J277 OCR Computer Science Specification Link

<https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/>

Revision Books

GCSE OCR Computer Science for the Grade 9-1 Exams (ISBN 978 1 78909 558 7)

Python For GCSE Computer Science (ISBN 978 1 78908 862 5)