



OPTIONS 2026 - Computer Science

Why Choose OCR GCSE Computer Science?

Unlock your future with tech skills that matter!

What is Computer Science?

- Problem-solving, logic, and creativity
- Learn how computers work and how to program them
- Understand the technology shaping the world

Why OCR GCSE Computer Science?

- Recognised qualification trusted by employers and universities
- Balanced curriculum: theory and programming
- Future-proof skills for any career

What Will You Learn?

- Programming in Python – build real programs
- Algorithms & problem solving – think like a developer
- Data representation – binary, logic gates
- Cybersecurity – protect systems and data
- Networks & hardware – understand the tech behind the internet

Why It's a Great Choice

- High demand: tech jobs are growing fast
- Transferable skills: logical thinking, problem-solving, creativity
- Exciting careers: Software Developer, Cybersecurity Analyst, AI Engineer, Game Designer

Is It Right for You?

- Enjoy solving puzzles?
- Interested in technology?
- Like creating things?
- Want a challenge that opens doors?

Success Stories

- Students often progress to A-level Computer Science
- University degrees in tech
- High-paying careers in technology

Exam Structure

- Paper 1: Computer Systems – 1h30, 50%
- Topics: architecture, memory, storage, networks, security, software, ethics
- Paper 2: Computational Thinking & Programming – 1h30, 50%
- Topics: algorithms, programming fundamentals, robust programs, Boolean logic, IDEs

Year 10 Focus

- Systems architecture, memory & storage
- Networks, connections & protocols
- Network security, systems software
- Ethical, legal, cultural & environmental impacts
- Programming practice integrated throughout

Year 11 Focus

- Algorithms & computational thinking
- Programming fundamentals & robust programs
- Boolean logic, programming languages & IDEs
- Exam preparation and revision for both papers

Final Thoughts

- Computer Science isn't just about computers—it's about shaping the future
- Choose OCR GCSE Computer Science and unlock endless possibilities!

How to Get Started

- Speak to your teacher
- Check the OCR Computer Science specification
- Explore coding platforms like Python, Scratch, Code.org