

Computer Science

A-Level

Exam Board: OCR 



ENTRY REQUIREMENTS

6+ in GCSE Maths & English

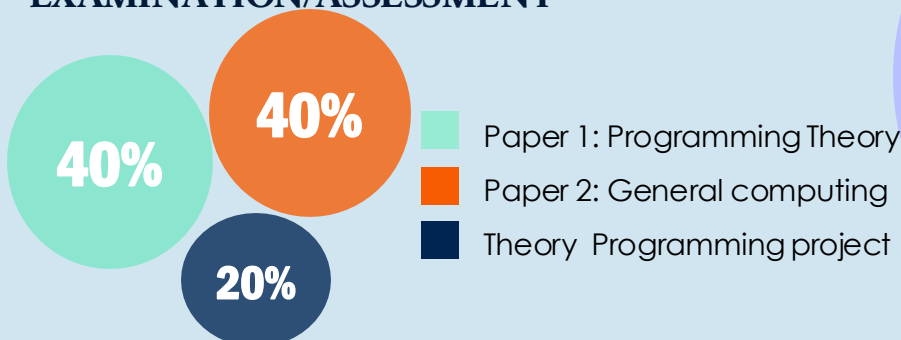
6+ In GCSE Computer Science

SUBJECT OVERVIEW

Computer Science involves making your own programs and programming solutions to problems. Computing students need to be independent; you must be able to solve problems on your own and investigate solutions. Mathematics is an important part of computing and for top grades you will need to be a confident mathematician.

TOPICS/UNITS/MODULES	Skills Learnt
Computational Thinking, Algorithms, and Programming	<ul style="list-style-type: none">• Programming techniques• Computational thinking• Understanding abstract data
Computer Systems	<ul style="list-style-type: none">• Understanding of computer architecture• Operating systems• Networking
Practical Programming Project (Non-Exam Assessment)	<ul style="list-style-type: none">• Problem solving and algorithm Design• Testing and debugging• Project management• Design and user experience

EXAMINATION/ASSESSMENT



Careers

- Software developer/programmer
- Network administrator
- Database administrator
- Cloud computing specialist
- App developer
- Web developer
- Game developer
- Cybersecurity Specialist
- Business Intelligence analyst