COMPUTER SCIENCE

Computer Science:

The secret to success in Computer Science

What exams will I take in the Summer Term?

Exam Board: OCR Computer Science (J276/77)

Paper Name	Topics	Time of paper
Computer Systems **Wednesday 13 May**	- Data Representation - Systems Architecture - Memory and Storage - Wired and wireless networks - Network topologies, protocols and layers - System security - System software - Ethical, legal, cultural and environmental concerns	1h 30m (non calculator)
Algorithms and Programming **Tuesday 19 May**	- Algorithms - Programming techniques - Producing robust programs - Computational logic - Translators and facilities of languages	1h 30m (non calculator)

Support in school:

Intervention Monday lunchtime, H10.

Revision Ideas:

Access to past papers across OCR GCSE Computer Science Past Papers - Revision World

Practice your programming skills and theory content through quizzes and challenge using Welcome - 101 Computing

Practice algorithms using, Write an algorithm a day https://revisecs.csuk.io/algorithm-a-day-lite/

Quizlet flashcards available within our showbie group.

Week 1: w/c 16 February 2026 – HALF TERM

You MUST do	✓	RAG
Week 1: Understanding the CPU & Von Neumann and System Architecture, https://www.csnewbs.com/ocr2020-1-1a-thecpu		
Practice quiz questions through 101computing.co.uk		

You SHOULD do	✓	RAG
Practice exam questions on CPU performance factors (clock speed, cache, cores).		

You COULD do	✓	RAG
OCR GCSE Computer Science Past Papers - Revision World		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 2: w/c 23 February 2026

You MUST do	✓	RAG
Revise RAM, ROM, Virtual Memory, and Secondary Storage types (SSD, HDD, optical, magnetic).https://www.csnewbs.com/ocr2020-2-1-primarystorage		
Write an algorithm a day using https://revisecs.csuk.io/algorithm-a-day-lite/		

You SHOULD do	✓	RAG
Complete past paper questions on Memory and Storage		
Binary conversions, https://www.101computing.net/binary-logic/index-GCSE.html		

You COULD do	✓	RAG
Programming challenges on showbie		
OCR GCSE Computer Science Past Papers - Revision World		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 3: w/c 2 March 2026

You MUST do	✔	RAG
Learn about LAN, WAN, PAN, client-server vs. peer-to-peer, network hardware. https://www.csnewbs.com/ocr2020-3-1a-networkperformance		

You SHOULD do	✔	RAG
Should Do: Practice questions on network topologies and protocols (TCP/IP, HTTP, FTP)		
Write an algorithm a day using https://revisecs.csuk.io/algorithm-a-day-lite/		

You COULD do	✔	RAG
Programming challenges in showbie		
OCR GCSE Computer Science Past Papers - Revision World		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 4: w/c 9 March 2026

You MUST do	✔	RAG
Network Security, https://www.csnewbs.com/ocr2020-4-1-securitythreats		
System software, https://www.csnewbs.com/ocr2020-5-1-operatingsystems		

You SHOULD do	✔	RAG
Practice questions on Network Security & System Software		
Write an algorithm a day using https://revisecs.csuk.io/algorithm-a-day-lite/		
Practice binary conversions https://www.101computing.net/binary-logic/index-GCSE.html		

You COULD do	✔	RAG
Programming challenges in showbie		
OCR GCSE Computer Science Past Papers - Revision World		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 5: w/c 16 March 2026

You MUST do	✔	RAG
Revise Impacts of technology, https://www.csnewbs.com/ocr2020-6-1a-impactsoftechnology		
Read through each case study.		

You SHOULD do	✔	RAG
Practice writing 8 mark questions on different scenarios, using essay style question resources on showbie.		
Write an algorithm a day using https://revisecs.csuk.io/algorithm-a-day-lite/		
Practice binary conversions, https://www.101computing.net/binary-logic/index-GCSE.html		

You COULD do	✔	RAG
Programming challenges on showbie		
OCR GCSE Computer Science Past Papers - Revision World		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 6: w/c 23 March 2026

You MUST do	✔	RAG
Computational Logic and algorithms, https://www.csnewbs.com/ocr2020-1-1-computationalthinking		

You SHOULD do	✔	RAG
Complete practice questions, on showbie		
Write an algorithm a day using https://revisecs.csuk.io/algorithm-a-day-lite/		

You COULD do	✔	RAG
Programming challenges		
OCR GCSE Computer Science Past Papers - Revision World		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 7: w/c 30 March 2026 – EASTER BREAK week 1

Detail here any Easter revision sessions you are attending

Day	Time	Subject	In school or Online

You MUST do	✓	RAG
Complete two full past paper under timed conditions for Paper 1 and Paper 2		
Review incorrect answers, rewrite answers with explanations		

You SHOULD do	✓	RAG
OCR GCSE Computer Science Past Papers - Revision World		

You COULD do	✓	RAG
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 8: w/c 6 April 2026 – EASTER BREAK week 2

Detail here any Easter revision sessions you are attending

Day	Time	Subject	Online

You MUST do	✓	RAG
Programming concepts https://www.csnewbs.com/ocr2020-2-1-programfundamentals		

You SHOULD do	✓	RAG
Practice questions and challenges on programming, on showbie		
OCR GCSE Computer Science Past Papers - Revision World		

You COULD do	✓	RAG
Revisit programming challenges on showbie		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 9: w/c 13 April 2026

You MUST do	✔	RAG
Data Representation (Binary, Hex, Images, Sound) https://www.csnewbs.com/ocr2020-2-3-dataunits		

You SHOULD do	✔	RAG
Practice questions on data representation, on showbie		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

You COULD do	✔	RAG
OCR GCSE Computer Science Past Papers - Revision World		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

Week 10: w/c 20 April 2026

You MUST do	✔	RAG
Logic Gates and Languages, https://www.csnewbs.com/ocr2020-4-1-booleanlogic https://www.csnewbs.com/ocr2020-5-1-languagestranslators		

You SHOULD do	✔	RAG
Logic and Languages practice questions on showbie		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

You COULD do	✔	RAG
Programming challenges		
Past papers		
OCR GCSE Computer Science Past Papers - Revision World		

Year 11 Preparing for your GCSE exams – Computer Science

Week 11: w/c 27 April 2026

You MUST do	✓	RAG
Defensive Design https://www.csnewbs.com/ocr2020-5-1-languagestranslators		

You SHOULD do	✓	RAG
Complete Practice questions on defensive design		
Past Papers		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

You COULD do	✓	RAG
Past papers.OCR GCSE Computer Science Past Papers - Revision World		

Week 12: w/c 4 May 2026

You MUST do	✓	RAG

You SHOULD do	✓	RAG
Past Papers		
Watch video tutorials on topics of areas of weakness. https://student.craigndave.org/j277		

You COULD do	✓	RAG
Past papers.OCR GCSE Computer Science Past Papers - Revision World		