

**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 Monday 12 May	<ul style="list-style-type: none">• 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 20 May	<ul style="list-style-type: none">• 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://revissecs.csuk.io/algorithm-a-day-lite/>

Quizlet flashcards available within our showbie group.

Week 1: w/c 24 February 2025

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 3 March 2025

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 10 March 2025

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.craigdave.org/j277		

Week 4: w/c 17 March 2025

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.craigdave.org/j277		

Week 5: w/c 24 March 2025

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.craigdave.org/j277		

Week 6: w/c 31 March 2025

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.craigdave.org/j277		

Week 7: w/c 7 April 2025 – 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.craigdave.org/j277		

Week 8: w/c 14 April 2025 – 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.craigdave.org/j277		

Week 9: w/c 21 April 2025

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.craighndave.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.craighndave.org/j277		

Week 9: w/c 28 April 2025

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.craighndave.org/j277		

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

Week 10: w/c 5 May 2025

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.craigdave.org/j277		

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