

GCSE Computer Science

- Key exam information
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- Revision resources
- Subject specific revision and exam technique
- Top tips for parents
- Top tips for students



Key Exam Dates



- Paper 1: Components of a Computer System
 - Monday 13th May 2019 PM 1h 30 min
- Paper 2: Programming and Algorithms
 - Thursday 16th May 2019 PM 1h 30 min

Exam board



OCR GCSE Computer Science (J276)



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GCSE

Computer Science (9-1) - J276

Teaching from 2016

Specification at a glance

New to OCR

Planning and teaching

Assessment

Textbooks & endorsed resources

More about Computer Science >

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Professional development >

Contact the team >

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+ Ofqual confirms future assessment of programming in GCSE Computer Science to be via exam only



Our GCSE in Computer Science is engaging and practical, encouraging creativity and problem solving. It encourages students to develop their understanding and application of the core concepts in computer science. Students also analyse problems in computational terms and devise creative solutions by designing, writing, testing and evaluating programs.

Specification code: J276
Qualification number: 601/8355/X
First teaching 2016, with first assessment 2018

[Download GCSE Specification](#)

[Specification at a glance >](#)

Resource Materials

<https://www.ocr.org.uk/qualifications/gcse/computer-science-j276-from-2016/>

Easter Revision Session



Monday 8th April

1pm-4pm

C8

Mr Pitman

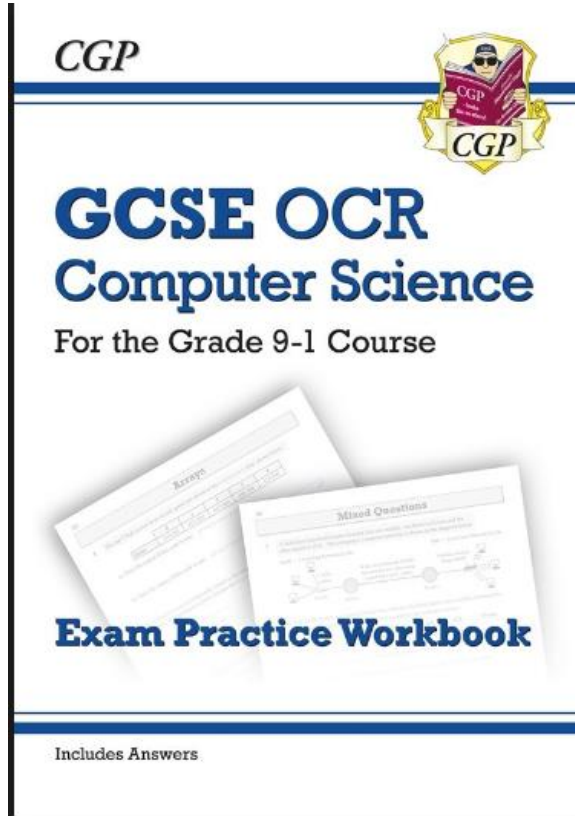
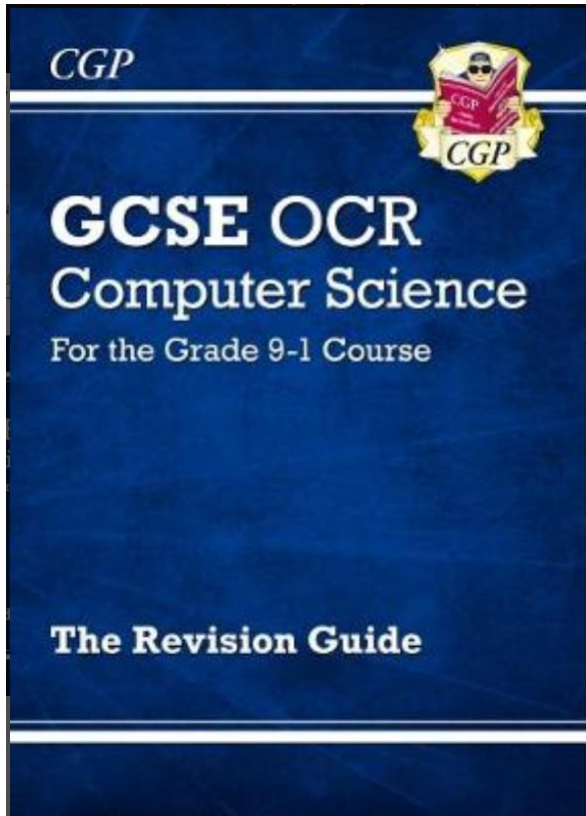
Tuesday 9th April

1pm-4pm

C9

Mr Smith

Revision resources



Revision resources sorted for 2019?
If not, check out CSUK's sister site "www.ReviseComputerScience.com"

RCS is the **COMPLETE** revision resource for your GCSE CS classes.

Your students will not only have access to detailed **videos lessons** and **interactive presentations** covering all aspects of the GCSE, but also **downloadable/printable notes**, **embedded and printable flashcards** and **automatically marked MCQs** with **detailed feedback** for every answer.

6 Months: £3 for the first 10 students, then it's a 10% discount for each additional student account.	3 Months: £2.50 for the first 10 students, then it's a 5% discount for each additional student account.	1 Month: £2 per student.
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43 Interactive Presentations

Over 500 Embedded & Printable Flashcards

Over 400 auto-marked MCQs with detailed feedback whether right or wrong

...you can purchase all 512 Flashcards, with a **site licence** at www.revisecomputerscience.com for a one off payment of just **£59.99** ...allowing you to print and share with your students year after year.

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512 Flash Cards for GCSE Computer Science



Computer Science Top Grade Revision Strategies



If you are aiming for the top grades you need to know the material well enough have gone far enough beyond it that the GCSE exam becomes easy, so that you can achieve close to 100%.

Part of getting close to 100% is using strategies to make sure that you maximise your marks on each question, including:

- Getting top band on essays
- Getting full marks on 3-4 mark “explain” questions
- Avoiding “silly” mistakes

Computer Science specific revision and exam technique



Knowledge, Understanding and Skills	Process Goal	Performance Goal
Component 1 – Theory		
Systems Architecture	<p>Refer to the fetch-execute cycle when talking about components and performance</p> <p>Link the components together when describing how the processor works</p>	<p>Be able to explain clearly the function of all the components of the processor</p> <p>Be able to explain the fetch-execute cycle</p> <p>Be able to explain how to improve processor performance</p>
Memory and Storage	<p>Use the standard list of features when comparing memory and storage technologies</p>	<p>Be able to recommend a storage device for a given situation</p>
Network Technologies	<p>Use the TCP/IP model when describing network technologies</p>	<p>Be able to explain how data is transmitted across a network</p>

Computer Science specific revision and exam technique



Knowledge, Understanding and Skills	Process Goal	Performance Goal
System Security	<p>Use the standard list of security threats and solutions</p> <p>Link each threat to the correct solution(s) and combine security solution</p> <p>Start with people as the weak point in a system</p>	<p>Achieve top band in each essay answer</p> <p>Achieve full marks on explain questions</p>
Ethical, Legal, Cultural and Environmental Concerns	<p>Refer to all the points given in the question</p> <p>Write using a top-band structure</p> <p>Discuss issues from more than one point of view</p>	<p>Achieve top band in each essay answer</p>

Computer Science specific revision and exam technique



Knowledge, Understanding and Skills	Process Goal	Performance Goal
Component 2 – Programming		
Writing Algorithms	Break hard problems into smaller steps Know and use the standard patterns to solve problems	Be able to write an algorithm in pseudocode for an unseen problem
Robust Programming	Use your experience of coding to recall good coding practice Consider normal, boundary and erroneous test data	Be able to analyse an unseen piece of code

As a parent how can I help?



- Test key word knowledge from the 'Exam Essential Revision Notes' booklet
- Students write an answer- use the mark scheme to check their understanding
- Students complete a full paper under timed conditions
- Practice basic Maths skills- to support binary/hexadecimal/denary conversions
- Learn the processes to go through to explain sorts and searches
- Practice Pseudocode/Python coding exam questions