

# GCSE Computer Science J277

**GCSE**

**Computer Science (9-1) - J277**

**<https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/>**



# Exam Format:

- 100% Exam made up of 2 x exam papers worth 50% each (No controlled assessment)

## J277/01: Computer systems

This component will assess:

- 1.1 Systems architecture
- 1.2 Memory and storage
- 1.3 Computer networks, connections and protocols
- 1.4 Network security
- 1.5 Systems software
- 1.6 Ethical, legal, cultural and environmental impacts of digital technology

**Written paper: 1 hour and 30 minutes**  
**50% of total GCSE**  
**80 marks**

This is a non-calculator paper.

All questions are mandatory.

This paper consists of multiple choice questions, short response questions and extended response questions.

## J277/02: Computational thinking, algorithms and programming

This component will assess:

- 2.1 Algorithms
- 2.2 Programming fundamentals
- 2.3 Producing robust programs
- 2.4 Boolean logic
- 2.5 Programming languages and Integrated Development Environments

**Written paper: 1 hour and 30 minutes**  
**50% of total GCSE**  
**80 marks**

This is a non-calculator paper.

This paper has two sections: Section A and Section B. Students must answer both sections.

All questions are mandatory.

In Section B, questions assessing students' ability to write or refine algorithms must be answered using **either** the OCR Exam Reference Language **or** the high-level programming language they are familiar with.



# St Alban's – How to Revise Computer Science

Resources can be found here:

<https://stalbansrcschool.sharepoint.com/sites/Computing/>

- Contains:
  - Knowledge organisers for each exam
  - A 'Onenote' notebook full of videos closely aligned to the spec
  - Two PowerPoint Presentations full of ALL the questions there have EVER been, all sorted into Specification order!





# Computing

+ New Upload Edit in grid view Share

Documents > KS4

Name

Knowledge organisers

J277 paper 1 questions sorted by section.pptx

J277 paper 2 questions sorted by section.pptx

J277 SPECIFICATION.url

OneNote revision resources

# St Alban's – How to Revise Computer Science

- Using resources in sharepoint (as described on previous slide)
- Reading and completing revision guides/workbooks (CGP)
- Seneca Learning
- Quizlet <https://quizlet.com/StAlbansMrR/folders/j277-gcse-computer-science/sets>
- Blooket

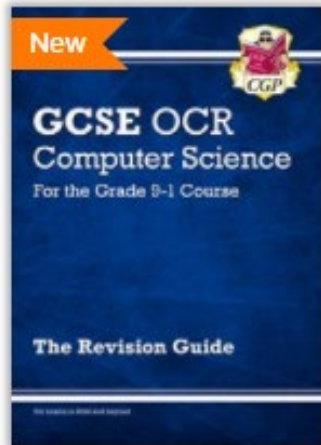
(Computer Science exams are roughly 40% dependant on understanding keywords and definitions)

- SenecaLearning
  - <https://senecalearning.com/en-GB/>
- BBC Bitesize (search for GCSE Computer Science - OCP BBC Bitesize)
  - <https://www.bbc.co.uk/bitesize/examspecs/zmtchbk>



# St Alban's – Support

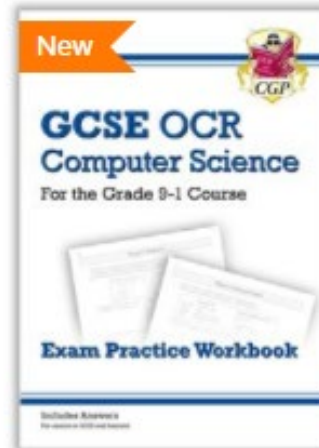
- Revision resources in Sharepoint
- Revision Guides (all students have these already):



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**New GCSE Computer Science OCR  
Revision Guide - for exams in 2022 and  
beyond**

COR42  
New for 2022 exams



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**New GCSE Computer Science OCR  
Exam Practice Workbook - for exams in  
2022 and beyond**

COQ42  
New for 2022 exams

