

Subject: A Level Computer Science**Exam Board: OCR****Component 1 – Computer Systems**
2 hours 30 minutes**Component 2 – Algorithms and programming**
2 hours 30 minutes**Paper 1 Content:**

The characteristics of contemporary processors, input, output and storage devices

Software and software development

Exchanging data

Data types, data structures and algorithms

Legal, moral, cultural and ethical issues

Paper 2 Content:

Elements of computational thinking

Problem solving and programming

Algorithms to solve problems and standard algorithms

Useful revision resources:

- Craig and Dave YouTube Channel
https://www.youtube.com/c/craigdave/playlists?view=50&sort=dd&shelf_id=4
- Teach ICT H446
https://teach-ict.com/2016/A_Level_Computing/OCR_H446/OCR_H446_home.html
- A Level OCR Computer Science course textbook by PG Online
- Seneca Learning
- OneDrive folder
[A Level Computer Science](#)
- Microsoft Teams / OneNote classbook
- Isaac Computer Science
<https://isaacomputerscience.org>

Revision Tips

- Pseudocode has no syntax
- You need to include a comment on your algorithm questions (1 easy mark)
- A large amount of the paper is made up of definitions of key terms, advantages and disadvantages. Knowledge based questions (1-3 mark questions)
- Revise the binary, denary and hex table – multiplying by 16 (**you are not allowed a calculator**)
- Complete past paper questions via OneDrive

| Date | Unit | Videos | Flashcards | Quizzes |
|----------|---|--------|------------|---------|
| 25/04/22 | Von Neumann, Harvard and contemporary processor architecture | | | |
| 02/05/22 | CISC and RISC | | | |
| 09/05/22 | Stages of compilation (lexical analysis, syntax analysis, code generation and optimisation) | | | |
| 16/05/22 | Recursion | | | |
| 23/05/22 | Use of object orientated techniques | | | |
| 30/05/22 | Use of an IDE to develop/debug a program | | | |