

Subject: GCSE Computer Science

Exam Board: OCR

Mock paper: 1 hour 30 minutes (50%)

Mock Paper 2: 1 hour 30 minutes (50%)

Paper 1 Content:

Unit 1 – Computer Systems
S1 - System Architecture
S2 – Wired and Wireless networks
S3 – System Software and Security
S4 – Legal and Ethical

Paper 2 Content:

Unit 2 – Algorithms and problem solving
S5 – Algorithms
S6 – Programming

Useful revision resources:

- Craig and Dave YouTube Channel <https://www.youtube.com/channel/>
- Teach ICT J276
http://www.teachict.com/2016/GCSE_Computing/OCR_J276/OCR_J276_home.html
- GCSE Computer Science Complete Revision & Practice
- Google Classroom Revision Zone section

Revision Tips

- Pseudo code 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 definition, 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 – see classwork folder

Topic area to cover		Understand	Process & Create	Drill and Practice
12/10/2020	Recognition and understanding of algorithms focus on use of subprograms			
19/10/2020	Systems Architecture – Memory, Storage, Von Neumann theory			
26/10/2020	Half Term Revision			
	Networks – Wired and Wireless, Client Server and Peer to Peer Networks – Topologies, Protocols and Layers			
02/11/2020	Searching (binary and linear) and Sorting Algorithms (bubble, insertion and Merge)			
09/11/2020	Security Threats –type of threats and prevention methods			
16/11/2020	System Software (utility software, application software)			
23/11/2020	Exam technique – reading and highlighting the questions with a focus on algorithms INPUT, PROCESS and OUTPUT			
30/11/2020	Programming Techniques – Constructs, Variables and Arrays			
7/12/2020	Ethical, Legal and Cultural Issues			