

Subject: GCSE Computer Science				
Exam Board: OCR				
Component 1 – Computer Systems		Component 2 – Computational thinking, algorithms and programming		
1 hour 30 minutes		1 hour 30 minutes		
Paper 1 Content:		Paper 2 Content:		
<p>Computer Systems</p> <p>1.1 Systems architecture <i>including architecture of the CPU, CPU performance, embedded systems</i></p> <p>1.2 Memory and storage <i>including primary and secondary storage, units of data storage, binary, denary and hexadecimal conversions, binary shifts, characters, images, sound and compression</i></p>		<p>Computational thinking, algorithms and programming</p> <p>2.1 Algorithms</p> <p>2.2 Programming fundamentals</p> <p>2.3 Producing robust programs</p> <p>2.4 Boolean logic</p> <p>2.5 Programming languages and Integrated Development Environments</p>		
Useful revision resources:				
<ul style="list-style-type: none"> ● Craig and Dave YouTube Channel ● Teach ICT J277 ● GCSE Computer Science Complete Revision & Practice ● Microsoft Teams / OneNote classbook ● Knowledge Organisers for all GCSE topics ● Practice Papers ● GCSE Exam Revision folder on OneDrive ● Seneca Learning ● GCSEPod 				
Revision Tips				
<ul style="list-style-type: none"> ● You should aim to write algorithm/pseudocode/exam reference language questions in a Python format as this is the programming language you have used at GCSE ● 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
31/10/22	Searching and Sorting Algorithms			
7/11/22	Programming Fundamentals			
14/11/22	Logic Gates and IDE			
21/11/22	Memory and Storage			