

Achieving Success – Subject Specific Tips

Subject	GCSE Computer Science	Exam Board	OCR
Class and Homework Expectations			
Students should bring the following items each lesson Exercise book Writing equipment including pen, pencil, ruler, highlighters Calculator Revision workbook			
Scheme of work			
Year 10 • Systems Architecture – How a computer processes data in the form of Von Neumann Architecture. • Memory – The different types of memory – RAM, ROM, Virtual Memory & Flash • Storage – The typical storage devices used by computers – Optical, Magnetic and Solid State. • Programming techniques - Understand the three main programming concepts – Iteration, Selection and Sequence • Network topologies, protocols and layers – protocols in networking and the different layers of sending data over a network		Year 11 • Algorithms • Programming Project • Data representation • Ethical, legal, cultural and environmental concerns – Ongoing issues regarding computer systems in the world. • System security – Common types of attacks/viruses and prevention methods.	
Assessment objectives			
A01 Demonstrate knowledge and understanding of the key concepts and principles of Computer Science.	A02 Apply knowledge and understanding of key concepts and principles of Computer Science.	A03 Analyse problems in computational terms: •to make reasoned judgements •to design, program, evaluate and refine solutions	
Assessment			
The GCSE (9–1) in Computer Science is a linear qualification with a 100% terminal rule. There are two externally examined components (01 and 02) weighted at 50% each.			
How to do well in the subject at GCSE			
• Attend all lessons and catch up with any work missed by seeing your teacher • Keep your exercise book up to date and work on the feedback given by your teacher • Practicing past paper questions and the exam skills of analysis and evaluation is crucial Students should know all key vocabulary terms • Practice programming skills with tutorials and practice problems • Work through past papers from OCR website and mark your own answers using the mark schemes Ask us for help if you are stuck			
Support Available			
• One to one support from Computer Science teachers			

- Revision classes
- Revision guides available to students
- Interventions in Year 11
- Use of Teams

How parents could help support

- Please check your son or daughter to organise their folder and keep it up to date
- Check they are doing homework
- Help them by checking their understanding prior to test/mocks etc

Helpful websites or resources