



Year 11 Six Week Plan

Subject: Computer Science

Look at the **Specification on teams**, you need to revise for around **20-30 mins per week** in preparation for your mock. Little and often is best. Use the titles below from the specification to guide you on the areas to revise.

	Key areas of focus in lessons .	Key areas of focus in Academic Enrichment .	Key areas of focus for homework .	Key areas of focus for independent learning . (Use revision guide given to help)
1 W/C 15/09	L1 - File handling L2 - Records & SQL	1.4.1 Threats to computer systems and networks 1.4.2 Identifying and preventing vulnerabilities	1.2 Memory & Storage	1.1.1 Architecture of the CPU 1.1.2 CPU performance 1.1.3 Embedded systems
2 W/C 22/09	L3 - Arrays & sub problems L4 - Random number generation L5 – 2.2 end of unit assessment	1.6.1 Ethical, legal, cultural and environmental impact	2.4 Boolean Logic	1.2.1 Primary storage (memory) 1.2.2 Secondary storage 1.2.3 Units
3 W/C 27/09	L1 - Input validation L2 - Defensive design considerations	1.3 Computer networks, connections and protocols	1.4 Network Security	1.2.4 Data storage 1.2.5 Compression
4 W/C 06/10	L3 - Maintainability and refining algorithms L4 - Types of testing and errors L5 - Suitable test data	1.2.2 Secondary storage 1.2.3 Units	2.2 Programming Fundamentals	1.3.1 Networks and topologies 1.3.2 Wired and wireless networks, protocols and layers
5 W/C 13/10	L6 – Programming challenge L7 – 2.3 end of unit assessment	1.2.1 Primary storage (memory) 1.2.2 Secondary storage	1.6 Ethical, legal, cultural and environmental impact	1.4.1 Threats to computer systems and networks 1.4.2 Identifying and preventing vulnerabilities
6 W/C 20/10	L1 – Abstraction & Decomposition L2 - Algorithmic thinking L3 - Linear & Binary search	1.6.1 Ethical, legal, cultural and environmental impact – 8 marker questions	2.3 Producing Robust Programs	1.5.1 Operating systems 1.5.2 Utility software 1.6.1 Ethical, legal, cultural and environmental impact