


Long Term Plan: Y9 Computing

Term 1	W/B 10/09	W/B 17/09	W/B 24/09	W/B 01/10	W/B 08/10	W/B 15/10	W/B 29/10	W/B 05/11	W/B 12/11	W/B 19/11	W/B 26/11
	Systems Architecture	Systems Architecture	Systems Architecture	Systems Architecture	Systems Architecture	Systems Architecture	Memory	Memory	Memory	Memory	Storage
	Introduction to course and computer systems	Von Neumann Architecture	Functions of the CPU components	Fetch-Decode-Execute Cycle	Embedded Systems and test revision	Assessment and PLC / Feed Forward	RAM/ROM differences	Flash memory / Memory uses	Virtual Memory and test revision	Assessment and PLC / Feed Forward	Types of storage
Term 2	W/B 31/12	W/B 07/01	W/B 14/01	W/B 21/01	W/B 28/01	W/B 04/02	W/B 11/02	W/B 25/02	W/B 04/03	W/B 11/03	W/B 18/03
	Wired and Wireless Networks	Wired and Wireless Networks	Wired and Wireless Networks	Wired and Wireless Networks	Wired and Wireless Networks	Wired and Wireless Networks	Network Topologies and protocols	Network Topologies and protocols	Network Topologies and protocols	Network Topologies and protocols	Network Topologies and protocols
		Types of network	Network performance and client/peer to peer	Network hardware for LAN and WAN	Internet and virtual networks - test revision	Assessment and PLC / Feed Forward	Star and mesh topologies / WIFI	IP and MAC addressing	Network protocols	Layers and packet switching / Assessment revision	Assessment and PLC / Feed Forward
Term 3	W/B 29/04	W/B 06/05	W/B 13/05	W/B 20/05	W/B 03/06	W/B 10/06	W/B 17/06	W/B 24/06	W/B 01/07	W/B 08/07	W/B 15/07
		Systems Software	Systems Software	Systems Software	Ethical and Legal	Ethical and Legal	Ethical and Legal	Ethical and Legal	Ethical and Legal	Coding challenge	Coding Challenge
	Purpose and functionality of system software	Operating Systems, Utilities and backups / Revision	Assessment and PLC / Feed Forward	Ethical and legal issues	Cultural and environmental issues / Privacy	Stakeholders affected by technology	Legislation relevant to computer science / Revision	Assessment and PLC / Feed Forward	Practical tasks	Practical tasks	

 For information on assessments see additional assessment guidance



W/B 03/12	W/B 10/12	W/B 17/12
Storage	Storage	Storage
Data capacity	Characteristics of storage devices and test revision	Assessment and PLC / Feed Forward
W/B 25/03	W/B 01/04	W/B 08/04
System Security	System Security	System Security
Forms of attack and threats to networks	Identifying and preventing vulnerabilities in networks / Revision	Assessment and PLC / Feed Forward
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