O Level Computer Studies 7010
Unit 10: Types of system

Recommended Prior Knowledge
Units 8 and 9, and unit 1.

Context
This unit builds on the work done in unit 9 and links back to the range of applications studied in unit 1.

Outline
Candidates should be able to distinguish between the different types of system, to describe what is needed to support them, to explain which is the most suitable for any given application and to discuss the consequent implications for the user. Candidates should be able to describe particular problems in the management of the various types of system, such as conflicting access to common data or critical timing considerations.

AO	Learning outcomes	Suggested Teaching activities	Learning resources
5.3	Batch processing systems	Revisit the basic principles of the different types of operating system and link back to the applications studied in unit 1 deciding which types of operating system would be appropriate for each application.	http://www.theteacher99.btinternet.co.uk/theteacher/gcse/newgcse/module6/task2.htm introduction to batch processing L+W 15.1 and 15.2
	Single-user online systems and multi-user online systems	This section brings together many of the topics discussed in the other units and can be taught in conjunction or as a separate topic.	http://computer.howstuffworks.com/operating-system3.htm description of different types of operating systems http://computer.howstuffworks.com/operating-system5.htm good animated diagram showing multi-tasking L+W 15.3
	Network systems		http://www.actden.com/skills2k/net.htm introduction to networks http://www.theteacher99.btinternet.co.uk/theteacher/gcse/newgcse/module7/task2.htm network topology http://www.theteacher99.btinternet.co.uk/theteacher/gcse/newgcse/module7/task1.htm advantages and disadvantages of networks L+W 15.4

AO	Learning outcomes	Suggested Teaching activities	Learning resources
	Control and automated systems;		L+W 15.5
	Multimedia		http://www.bbc.co.uk/scotland/education/bitesize/standard/computing/systems/hardware_rev9.shtml requirements for multimedia
			L+W 15.6