***Networking Fundamentals (H17A 11)***

To help with your studying below is a list of topics covered so far.

Topics covered

For O1

* Cabling (coax, RJ45, cat5, cat5e, cat6, Fibre-optic), Bandwidth, UTP, STP, Straight Through, Cross-over)
* Wireless, Bluetooth, Satellite, WEP, WPA2
* Devices (Hubs, Switches, Routers, NIC, Modems, Gateway)
* Interference, Attenuation, Crosstalk
* Simplex, Half-Duplex, Full-Duplex
* Topology
* TCP/IP, UDP, VoIP
* Scalability, Fault Tolerance, Security, Qos

For O2

* OSI model
* TCP/IP model
* Data Encapsulation/De-capsulation
* DNS, ARP
* IPv4, IPv6
* Classful Addressing, Classless Addressing
* Public and Private address ranges
* Unicast, Broadcast, Multicast
* Subnet Masking
* Port Numbers