Year 10 OCR Computer Science J277
January Recall Test

Component 1: Computer Systems

1.1 Systems Architecture

Cpu, alu, control unit, registers, cache, cpu performance(clock speed, cores, number of cores), embedded systems

1.2 Memory and storage (not including data representation)

Primary storage (RAM, ROM, virtual memory), secondary storage, units i.e. bit, nibble etc.

1.3 Computer networks, connections and protocols

LAN, WAN, performance factors, client-server and peer to peer, network hardware, dns, hosting, the cloud, web servers and clients, star and mesh network topologies, modes of connection, encryption, ip and mac addressing, standards, protocols and layers.

Useful website links:

https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/assessment/

https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html

www.senecalearning.com