



CS4 Networks, connections and protocols

Personal learning checklist | 1 of 1

OCR GCSE Computer Science J277 | Paper 1 · Specification 1.3

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

Support your confidence with explanations, workings, diagrams and tested code. Quick checks do not assess a complete program or evaluation.

I can	Red	Amber	Green
Networks and hardware			
Distinguish LANs and WANs and evaluate network performance factors.	☐	☐	☐
Compare client-server and peer-to-peer roles and suitability.	☐	☐	☐
Explain the NIC, switch, router, access point and transmission media.	☐	☐	☐
Draw and evaluate star and mesh topologies for a scenario.	☐	☐	☐
Internet services			
Distinguish the internet and web and explain server and client roles.	☐	☐	☐
Explain DNS resolution and the role of website hosting.	☐	☐	☐
Evaluate remote storage, software and processing through the cloud.	☐	☐	☐
Connections and rules			
Compare Ethernet, Wi-Fi and Bluetooth for specific connections.	☐	☐	☐
Explain encryption and distinguish IP from MAC addressing.	☐	☐	☐
Explain standards, protocol purposes and the roles of TCP and IP.	☐	☐	☐
Compare HTTP and HTTPS and explain FTP and email protocol purposes.	☐	☐	☐
Explain protocol layering and its development and troubleshooting benefits.	☐	☐	☐

My next revision priority _____