Year group: 12	Term: 2	Unit duration: 6	Number of lessons: 15	Unit title: Networks and web technologies

Assessment outcome: To understand how networks and the internet work	Fertile question? What hardware and software is needed to allow computers to work together over a network?

Key skills/concepts/knowledge that students should cover	Start RAG	End RAG	Literacy. Key vocabulary/subject terminology that students should cover
Network hardware **Wired and Wireless networks** **Network Performance** **Network protocols** **Packet Switching** **Network topologies and design**			**Switch** **Router** **Ethernet** **WiFi** **Packets - header, payload, trailer** **Star and mesh topologies** **Client** **Server** **Peer** **Bus**

Stretch. Key skills/concepts/knowledge that students should cover		**Suggested materials teachers could/should use**
To develop a theoretical framework of what a network is and how it can be used to transfer data across multiple devices and in multiple locations.		**TeachICT** **Computer Science Powerpoints/Worksheets**
		Key home learning tasks students should complete Research network performance issues and how they could have been avoided using different technologies