Northolt High School
Scheme of Learning

Committed to excellence

Year group: 9	Term: 2	Unit duration: 6 weeks	Number of lessons: 6	Unit title: **Network Topologies**

Assessment outcome: To be able to understand what a network topology is and why it is needed for data distribution.	**Fertile question?** What is the difference between a social network and a computer network?

Key skills/concepts/knowledge that students should cover	**Start RAG**	**End RAG**	**Literacy. Key vocabulary/subject terminology that students should cover**
Network topology is the way a network is arranged, including the physical or logical description of how links and nodes are set up to relate to each other. • What Is Network Topology? • Why is Network Topology Important? • Types of Network Topology • Star Topology • Bus Topology • Ring Topology • Tree Topology • Mesh Topology • Hybrid Topology • Which Topology Is Best for Your Network? • What Tools Help Manage and Monitor Networks?			bus collison mesh node packets ring star terminator token topology

Stretch. Key skills/concepts/knowledge that students should cover **To understand how packets are sent throughout a network and why they are sent in that way.**		**Suggested materials teachers could/should use** **TeachICT** **Computer Science Powerpoints/Worksheets**

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		Key home learning tasks students should complete to be set in lessons

Seizing opportunity *Instilling ambition* *Realising potential*