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| **What will we be learning?**Transmitting data & issues | **Why this? Why now?**Introduces you to the concept and implications of wired and wireless connection methods in a logical order | **Key Words:**Cat5, Coaxial, Fibre opticWiFi, 3G/4G/WiMAX, Satellite broadband, Microwave/LaserBluetooth, WiFi Direct, WiFiLocal area networks (LAN) Wide area networks (WAN) Personal area networks (PAN)Virtual private network (VPN)TCP/IPEmailVoice and video callsWeb pagesSecurity protocolsSecurity considerationsVPNs and securityBandwidth and latencyBandwidth and latency implicationsCompressionCodecs |
| **What will we learn?**Wired connection methodsWireless connection methodsFeatures of different networksNetwork choice and performancesProtocolsData transmission issues |
| **What opportunities are there for wider study?**Students review and discuss current news articles which relate to current topics and they can consider the practical application of IT concepts by reviewing and discussing a range of news and video articles. The wider study provides the opportunity for students to explore theories and concepts in real business IT settings |
| **How will I be assessed?**Formative and summative assessmentsEnd of topic testMock paperSummative Examination |