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| **What will we be learning?**Protecting data and information | **Why this? Why now?**Previously you have learned about using IT networks and online communities, this section introduces you to the issues and implications of storing and transmitting information in digital form. | **Key Words:**MalwareHackersPhishing Accidental damageFile permissionsBackupPhysical accessDigital certificateProtocolsAntivirus softwareFirewallsEncryptionData Protection Act 1998 - GDPRComputer Misuse Act 1990Information Commissioners Office (ICO)Codes of practice |
| **What will we learn?**Threats to data, information and systemsThe impact of threats to data, information and systems to individuals and organisationsThe features, characteristics and implications of using antivirus software and firewalls protect dataThe features, applications and implications of encryption methods usedThe role of current legislation in protecting data and IT systemsThe impact of legislation on individuals and organisationsThe role of the Information Commissioner’s Office (UK) |
| **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 |