Set up security software for digital systems

Overview	This standard is about protecting hardware, software and the data within an IT system against theft, malfunction and unauthorised access.

It involves using appropriate methods to stay safe online and protect software and data, such as by setting up virus protection software and a system for strong passwords.

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Performance criteria

You must be able to:

1. take appropriate precautions to safeguard self and others when working online
2. check and amend settings on digital systems to keep security risks to a minimum
3. set up and configure security software as required to protect digital systems from viruses and malware
4. establish an appropriate method for strong password protection apply organisational procedures to protect systems and data against unauthorised use
5. take appropriate steps to protect computer hardware against loss or damage

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Knowledge and understanding

You need to know and understand:

1. regulations governing the security of IT systems including IT health and safety and good practice
2. reporting requirements for data protection legislation
3. how to recognise problems that may be caused by a virus
4. risks to data and system performance and integrity that can exist when using the Internet
5. risks associated with using public internet access points and networks
6. how to use built-in operating system security features including firewalls
7. how to identify secure websites when conducting transactions online
8. the importance of maintaining good password and PIN security
9. policies that exist for internet use, codes of conduct, disaster recovery
10. the importance of manufacturer updates for maintaining system security
11. how to select tools and apps that can enhance system and data security

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