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| **Unit 1 LO5** | **Understand Ethical and Operational Issues and Threats to Computer Systems Road Map** | | | | | |
| In this unit you will investigate water on the land. The aims are as follows:  **LG1**: Knowledge  **LG2**: Application  **LG3**: Skills | Assessment Grades |  |  | | | |
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| **Themes** | **Learning Goals/Outcomes/Content** | | |  |  |  |
| How can I protect data physically?  How can I protect data digitally? | **LG1:** Understand physical and digital security methods that can be put into place to protect data. | | |  |  |  |
| What are the moral issues linked to the use of IT? | **LG1:** Understand the moral issues linked to the use of IT.  **LG2:** Apply knowledge of moral issues linked to IT to different scenarios. | | |  |  |  |
| What are ethical issues linked to the use of IT? | **LG1:** Understand ethical issues which arise in the workplace and measures that are put into place to prevent them.  **LG2:** Apply knowledge of ethical issues linked to IT to different scenarios. | | |  |  |  |
| What are operational issues that could jeopardise individual departments or an entire organisation? | **LG1:** Understand different operational issues that could jeopardise individual departments or an entire organisation. | | |  |  |  |
| What threats are there associated with the use of a computer? | **LG1:** Understand threats associated with the use of a computer | | |  |  |  |
| How can I dispose of data and computer equipment?  Why should I dispose of computer equipment and data safely? | **LG1:** Identify ways of disposing of data and computer equipment.  **LG1:** Understand why it is important to dispose of computer equipment and data safely.  **LG3:** Be able to dispose of data and computer equipment safely | | |  |  |  |
| **Assessment** |  | | |  |  |  |

**Links:**

**LG1:** Understanding how to keep a computer network secure is important to protect data. Being able to understand both moral, ethical and operational issues is important to prevent breaking the law.

**LG2:** Application of both physical and digital security methods is important to ensure that a computer network is secure from any attack. Knowing how moral, ethical and operational issues apply to an IT environment is important to prevent breaking the law.

**LG3:** Being able secure a computer network is important so that data is not stolen.