

S242: Set up an IT system 2

Overview: Select and connect up an IT system with a range of hardware, removable storage media and a communication service safely and run more advanced tests to check it is working successfully. This standard is imported from the **e-skills IT Users suite**.

Links: Communication; IT

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| Specific skills: <ul style="list-style-type: none"> • Checking • Negotiating • Using technology | <ul style="list-style-type: none"> • Evaluating • Organising | <ul style="list-style-type: none"> • Managing resources • Planning | <ul style="list-style-type: none"> • Monitoring • Problem solving |
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Performance Indicators

Select and connect up a personal computer safely with associated hardware and storage media to meet needs

1. Select and connect up the components of an IT system safely, including any peripheral devices and storage media

Select and connect an IT system to a communication service to meet needs

2. Select and connect communication hardware safely to an IT system
3. Select and connect to a communication service from an IT system

Install and configure software for use

4. Configure the user interface to meet needs
5. Set up and configure virus protection software
6. Install and set up application software to meet needs
7. Backup and restore system and data files

Check that the IT system and communication service are working successfully

8. Select and run suitable tests to make sure that the system and communication service are working successfully
9. Respond to faults and error messages and use help and troubleshooting facilities to determine and take appropriate action

Knowledge & Understanding

- A. Describe what IT system components, storage and peripheral devices are needed
- B. Describe any health and safety issues associated with setting up an IT system
- C. Describe the characteristics of IT systems that affect performance
- D. Describe the factors that affect data transfer
- E. Identify the login and password details needed to connect to an Internet Service Provider (ISP)
- F. Describe what security precautions need to be addressed
- G. Identify what tests can be used to check the IT system and communications
- H. Identify the help and troubleshooting facilities available to solve problems