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| **1.2a Digital devices and means of interaction and connection** |
| * Learners should understand:   + that the Internet is a global communications network which uses interconnected computers   + the infrastructure of the Internet includes clients, servers and routers |

Specification points:

Skills audit:

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| --- | --- | --- | --- |
| **Criteria** |  |  |  |
| I can describe the tasks performed by: | | | |
| * + Router |  |  |  |
| * + Switch |  |  |  |
| * + Bridge |  |  |  |
| * + Gateway |  |  |  |
| * + Hub |  |  |  |

Teacher feedback:

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Student response:

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**Exam-style questions**

1. To convert a standalone computer to a networked computer, network hardware is required.
2. State the purpose of a Network Interface Controller (NIC)

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**[1]**

1. Explain why medium to large organisations might use a Wireless Access Point.

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**[2]**

1. Describe the purpose of a router.

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**[3]**

1. Identify **one** difference and one similarity between a hub and a switch.

Difference: ……………………………………………………………………………………………………..

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Similarity: ………………………………………………………………………………………………………

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**[2]**

1. Many fast broadband connections use fibre optic cable instead of copper.

Explain **one** reason why fibre optic cable is the preferred choice.

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**[2]**