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| **1.2a Digital devices and means of interaction and connection** |
| * Learners should understand the six parts of the systems development life cycle:   + System Investigation   + System Analysis   + System Design   + System Implementation   + System Maintenance   + System Evaluation |

Specification points:

Skills audit:

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| **Criteria** |  |  |  |
| Investigation: Feasibility study and investigation methods. |  |  |  |
| Analysis: Data flow diagram, Decision table and Data dictionary. |  |  |  |
| Design and Implementation methods: Direct, Parallel, Phased and Pilot implementation methods. |  |  |  |
| Testing, Evaluation and Maintenance: Test plans and use of test data, what makes a new system successful and maintenance strategies such as documentation. |  |  |  |

Teacher feedback:

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Student response:

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**Exam-style questions**

1. During the 'investigation and analysis' phase, a systems analyst will carry out very detailed investigations in order to fully understand the current system and the proposed new system. One method that could be used is to conduct face-to-face interviews.
2. Name **three** other investigation methods the systems analyst could use.

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2………………………………………………………………………………………………………………

3………………………………………………………………………………………………………………

**[3]**

1. Once the systems analyst has completed the investigation and requirements have been agreed with the client, the project moves into the analysis phase.

Name and describe **one** task that might be used in the analysis phase.

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**[3]**

1. Explain the stages of the systems life cycle that must be completed after the design stage and describe the documentation that the analyst must produce. **[QWC 8]**

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