**“I do not fear computers, I fear the lack of them”**

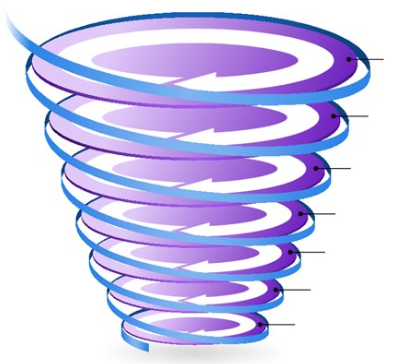
**Isaac Asimov**

Explore the wide range of uses of hardware, application and specialist software in society. Learners will investigate how information technology is used in a range of contexts, including business and organisations, education and home use of information technology.

Students will be introduced to a broad working knowledge of databases, spreadsheets, automated documents and images and enables them to apply their knowledge and understanding to solve problems in vocational settings



**INTENT:**



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| ***\*\*Please click on the icons to access our online portal where you can learn more about each topic\*\**** | | | | | | | | | | | | |
| **10** | **Half term points** | | | | | | | | | | | |
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| **AUTUMN 1** | | **AUTUMN 2** | | **SPRING 1** | | **SPRING 2** | | **SUMMER 1** | | **SUMMER 2** | |
| **Planning, creating, manipulating & storing images**  [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FB96AE96.tmp](https://sites.google.com/view/suefarrimondtutorials/image-editing-and-creation/photopea-basics) | | **Planning, creating & modifying an automated document**  [YouTube icon vector SVG free download trong 2020](https://www.youtube.com/watch?v=nyc0B3_vq1Q) | | **Planning, creating, using & modifying a spreadsheet**  [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\A1272AAE.tmp](https://classroom.thenational.academy/units/spreadsheets-502c) | | **Planning, creating, using & modifying a spreadsheet**  [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\A1272AAE.tmp](https://classroom.thenational.academy/units/spreadsheets-502c) | | **Planning, creating, using & modifying a database**  [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\A1272AAE.tmp](https://classroom.thenational.academy/lessons/database-essentials-cnj36r) | | **Planning, creating, using & modifying a database**  [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\A1272AAE.tmp](https://classroom.thenational.academy/lessons/database-essentials-cnj36r) | |
| **Learning to include:**   * Plan and design an image in response to the client brief. * Create and modify an image using appropriate tools and techniques. * Store the image appropriately and output the final image in a format that is fit for purpose. | | **Learning to include:**   * Plan and design an automated document in response to the client brief. * Create an effectively structured data source and link that to a standard document * Appropriately structure the content of the standard document and insert fields as required. * Merge and output the final documents. | | **Learning to include:**   * Plan and design a spreadsheet in response to the client brief. * Create and format your spreadsheet according to your planning and design. * Make use of appropriate data formatting and add suitable validation rules. | | **Learning to include:**   * Use appropriate formulae and functions to meet the outcomes set in the brief. * Arrange, reduce and output data to help make decisions. * Modify data and formulae to model ‘what if’ scenarios. * Test and evaluate your spreadsheet. | | **Learning to include:**   * Plan and design a database in response to the client brief. * Create and modify your database according to your planning and design. * Interrogate your database. | | **Learning to include:**   * Create a user interface for your database. * Test and evaluate your database. | |
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| ***\*\*Please click on the icons to access our online portal where you can learn more about each topic\*\**** | | | | | | | | | | | | |
| **11** | | **Half term points** | | | | | | | | | | |
| **AUTUMN 1** | | **AUTUMN 2** | | **SPRING 1** | | **SPRING 2** | | **SUMMER 1** | | **SUMMER 2** |
| **Unit 1 ICT in Society** | | **Unit 1 ICT in Society** | | **Unit 1 ICT in Society** | | **Unit 1 ICT in Society** | | **Unit 1 ICT in Society** | | **Exam revision** |
| [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\AF8AFBDA.tmp](https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/zx8hpv4)  **Learning to include:**   * Functionality of different hardware devices. * Functionality of different software. * Services provided by IT. | | [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\A1272AAE.tmp](https://classroom.thenational.academy/lessons/what-are-networks-70r6cd)  **Learning to include:**   * Why data must be fit for purpose. * How input data is checked for errors. * How data transfers over different types of network. | | [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\A1272AAE.tmp](https://classroom.thenational.academy/units/impacts-on-society-fb09)  **Learning to include:**   * Different types of connectivity. * Risks to information held on computers. * The impact of data loss, theft or manipulation on individuals and businesses. | | [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\A1272AAE.tmp](https://classroom.thenational.academy/lessons/computer-networks-and-protocols-6mvk2t)  **Learning to include:**   * Methods used to protect information. * How moral and ethical issues affect computer users. * How legal issues protect computer users. | | [C:\Users\zaslam\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\A1272AAE.tmp](https://classroom.thenational.academy/units/security-a5e3)  **Learning to include**:   * The cultural, personal and environmental impact of ICT. * How a digital footprint can impact computer users. | |  |
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