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| **Unit = 7.2** | **Road Map** | | | | | |
| In this unit you will learn about how a computer works. The aims are as follows:  **LG1**: Knowledge  **LG2**: Application  **LG3**: Skills | Assessment Grades |  |  | | | |
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| **Themes** | **Learning Goals/Outcomes/Content** | | |  |  |  |
| What is Binary and Denary? | **LG1:** Understand what binary is and how it is used by a computer.  **LG1 & 2:** Learn how to convert denary into binary numbers and vice versa. | | |  |  |  |
| What is ASCII? | **LG1:** Know what a character set is. | | |  |  |  |
| What is/ are computer hardware, software and peripherals?  What is an input, output and storage peripheral? | **LG1:** Know the advantages and disadvantages of a portable and desktop computer  **LG2:** Understand how the specification of a computer effects its performance.  **LG1**: Identify different input, output and storage peripherals. | | |  |  |  |
| What are the positive and negative environmental impacts from using a computer?  What is e-waste? | **LG1:** Understand how a computer can impact the environment. | | |  |  |  |
| What is meant by success criteria?  What is purpose and audience and why is it important?  What is house style?  Why is designing a multimedia presentation important? | **LG1:** Understand the meanings of audience and purpose.  **LG1:** Identify what makes a successful presentation.  **LG2 & 3:** Develop an ability to design a multimedia presentation which is suitable for audience and purpose and has a house style. | | |  |  |  |
| What is a slide master used for? | **LG1:** Identify suitable fonts for a given audience and purpose.  **LG3:** Learn how to use the slide maser to create a consistent house style for a multimedia presentation.  **LG 2 & 3:** Develop an ability to create a multimedia presentation that is suitable for audience and purpose and has a house style. | | |  |  |  |
| Why is it important that images are suitable for audience and purpose in a multimedia presentation?  Why manipulate images in PPT? | **LG1:** Understand the importance of only including images that are suitable for audience and purpose in a multimedia presentation.  **LG3:** Learn how to insert and manipulate images in MS PowerPoint.  **LG 2 & 3:** Develop an ability to create a multimedia presentation that is suitable for audience and purpose. | | |  |  |  |
| Why is it important that animations, slide transitions, sound and video are suitable for audience and purpose in a multimedia presentation? | **LG1:** Understand the importance of only inserting animations, slide transitions, sound and video that are suitable for audience and purpose.  **LG3:** Learn how to insert suitable animations, transitions, sound and video in MS PowerPoint.  **LG2 and 3:** Develop an ability to create a multimedia presentation that is suitable for audience and purpose. | | |  |  |  |
| What is the value of feedback? | **LG1:** Understand the importance of feedback.  **LG2:** Identify how to improve your multimedia presentation. | | |  |  |  |
| **ASSESSMENT**  50 mins | To identify knowledge, application of knowledge and skills of 7.2.   * Part 1: MCQ to test theory for this unit. * Part 2: Practical to test skills in PPT. | | |  |  |  |

**Links:**

**LG1:** Understanding computer hardware is essential to ensure that you understand how a computer works.

**LG2:** Applying your knowledge of hardware enables you to select a suitable computer. There are a variety of different computers on the market and for some tasks, it is not essential to have the highest specification of computer. Application is also important so that you can design and create a multimedia presentation that is suitable for audience and purpose.

**LG3:** Skills in using tools in PowerPoint enable you to create a multimedia presentation that is suitable for audience and purpose. Decision making and evaluation skills enable you to review and improve your work.