

Hardware and Software

Unit R012 - Understanding tools, techniques, methods and processes for technological solutions

Introduction

- There are many **factors** to **consider** when **presenting information** that we have already covered in past lessons.
- Another **factor** to think about is the **resources** required to the use **presentation method**. These include:
 - **Hardware** requirements
 - **Software** requirements
 - **Connectivity** requirements

Hardware Requirements

- **Hardware** is a term for any part of the computer that you can physically touch, pick up, hold, move around the room etc. In other words, hardware are the physical parts that make up the computer
- **Different presentation** methods will **require different hardware** to view or access the resource.
- Examples:
 - **Report** to be used?
 - No significantly **different hardware** required.
 - **Presentation** to be used?
 - Needs **projector/screen** are needed.
 - **Video Conference** to be used?
 - Needs **projector, video**

Hardware Requirements

- Revisit the different presentation methods that we looked at last lesson.
- You may have made some revision materials for these.
- Add to these revision materials:
 - The specific hardware required to access the work.

Presentation Methods:

- Report
- Presentation
- Graphs/charts
- Tables
- Integrated documents
- End user documentation
- Video Conference

Software Requirements

- The **software** that is required should also be **considered** when **selecting** the **presentation method**.
- Examples:
 - **Report** to be used?
 - **Word processing** software is required.
 - If the report is **integrated** with other **components** then **further software** may also be required.

Software Requirements

- Other Examples:
 - **Presentation** to be used?
 - **Presentation** software is required.
 - If the report is **integrated** with other **components** then **further software** may also be required.
 - **Portable** files to be created
 - **PDF creator/viewer** software is required
 - This allows documents to be viewed across differing **devices/operating** systems.
 - **Multimedia** to be created?
 - To access YouTube **video playing** software is needed.

Software Requirements

- Revisit the different presentation methods that we looked at last lesson.
- You may have made some revision materials for these.
- Add to these revision materials:
 - The specific software required to access the work.

Presentation Methods:

- Report
- Presentation
- Graphs/charts
- Tables
- Integrated documents
- End user documentation

Connectivity Requirements

- The **connectivity** requirements to **view** and **use** a **resource** will **depend** on **where** it is to be viewed and **how** it has been distributed.
- If **resource** is stored **online/cloud** then an **internet connection** is required.
- **Size** of resource must also be considered as **large** files take **longer** to **download** and may result in **buffering**.