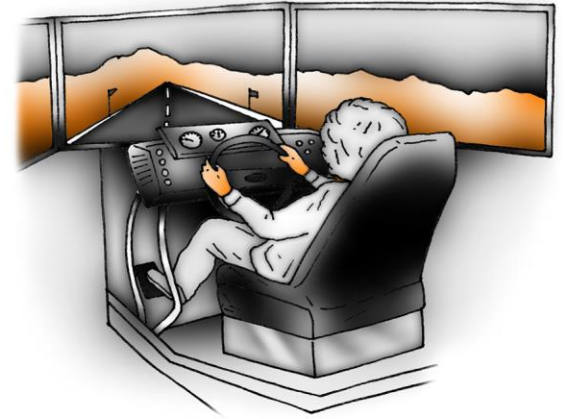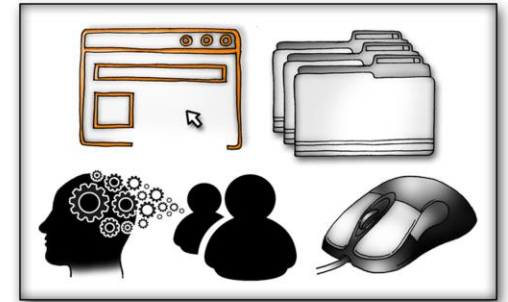**PiXL** Computing

ThinKIT

SYSTEM AND APPLICATION SOFTWARE

Software

- Define the term Software
- State the two Software categories
- Explain the difference between the two Software categories
- List all of the Software which you have used in the past seven days
- Describe what makes successful piece of Software

System software

- Define the term System Software
- State the purpose of System Software
- State the function of System Software
- System Software is separated into two categories, state the two categories of System Software
- In the form of a diagram shows the relationship between computer hardware, parts of the operating system, applications and the user

Operating system

- Define the term Operating System
- List the top 5 Operating Systems
- Give two reasons why an Operating System is needed in a computer
- Operating Systems with a GUI have been WIMP based, state what WIMP stands for
- Explain how the Operating System provides security in a Smart Phone?

Application software

- Define the term Application Software
- List five examples of Application Software
- Discuss the statement "We need do not need Application Software on our Computers"
- Describe what is meant by Open Source Software
- Describe what is meant by Proprietary Software
- State the type of Application Software which is most suitable to keep customer records

Operating System Functions

- List the five Operating System Functions
- Give examples of peripherals the Operating System will manage
- State the four types of User Interface the Operating system can provide
- Describe what is meant by a Multi-tasking Operating System
- Discuss the need for user access levels

Utility software

- Define the term Utility Software
- Give three examples of Utility Software
- List common jobs which are carried out by Utility software
- Give two examples of Utility Software which are used for file management
- Explain the job of defragmentation software
- Explain what is meant by a Backup Utility
- Explain what is meant by a compressed file
- State why it is necessary for files to be compressed

Utility software- Security

- Describe the purpose of Anti-Virus Software
- Give three examples of Anti-Virus software packages
- Explain why Anti-Virus Software must be updated regularly
- Describe the purpose of Anti-Spyware Software
- Explain the job of encryption software
- State what is required to encrypt/decrypt data

Software used to models/simulations in the real world

- Describe what is meant by a computer model/simulation
- Computer simulations can be created for a range of applications e.g. flight simulation, state three other examples
- Discuss advantages and disadvantages of using computer models/simulations
- Discuss the use of a flight simulator to train pilots

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