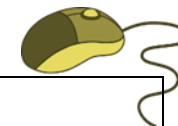




SUBJECT and GRADE	Computer Applications Technology Grade 10	
TERM 2	Week 2	
TOPIC	System Technologies: Software	
AIMS OF LESSON	<p>At the end of the lesson the learner must be able to:</p> <ul style="list-style-type: none"> • Describe system software in more detail. • Identify the different types of system software. • Explain the advantages and disadvantages of the different types of system software. • Describe drivers and utilities. • Understand the importance of computer security and software piracy. 	
RESOURCES <i>(Indicate what will be used in the lesson e.g. textbook, Mind the Gap, etc)</i>	Paper based resources	Digital resources
	<p>Refer to your textbook (DBE Theory Book): Theory Book: Chapter 7: Computer Software NB! You may also use your own textbook that refers to the sections above.</p>	<p>Refer to the relevant digital resources e.g. links on the WCED ePortal Links on the WCED ePortal: https://wcedportal.co.za/eresource/88001</p>
INTRODUCTION CONCEPTS AND SKILLS	<p>In this Lesson you will be working on the following:</p> <ul style="list-style-type: none"> • Stand-alone vs. integrated software • Freeware, shareware, proprietary software • Open-source software – definition and benefits, disadvantages • Licensing and licensing agreements including end-user, site license agreements, creative commons • System software <ul style="list-style-type: none"> ○ Drivers: What is a driver? ○ Utility programs: What is it? Purpose? 	
ACTIVITIES/ASSESSMENT	<p>Activity</p> <p>1) Define the following types of software:</p> <ul style="list-style-type: none"> a) Freeware b) Shareware c) Open source d) Proprietary software 	



Describe how one would go about using proprietary software, without having to spend much money. Motivate your answer.

- 2) One of Mr Itek's children knows his friend has software for Microsoft Word. He wants to copy the software, then install it on their home computer.
- 3) Is Mr Itek doing the right thing? Motivate your answer.
- 4) How would you categorise the way in which Mr Itek's friend intends on using the software

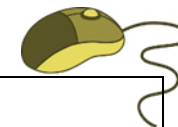
Activity

- 1) The table below is comparing freeware, shareware and proprietary software. Make a copy of the table in your workbook and fill in the headings, as well as the missing information.

Description	Known as "try before you buy" software		
Example		Gmail	
Advantage			Technical support is freely available
Disadvantage			

(12)

- 2) Fairoza purchases a laptop that she can use to work on assignments for her course at university. The laptop was supplied with the Windows 10 Home operating system.



	<p>a. She obtained a copy of Microsoft Office 2016 from a friend and installed it on her laptop. Explain why she should NOT do this. (2)</p> <p>b. If she wishes to continue using Office 2016, what type of licence does she need? (1)</p> <p>c. When she updates Office 2016 with a valid licence, she is asked to acknowledge that she has read the EULA. What does EULA stand for? (1)</p> <p>If she cannot afford to purchase a licence from Microsoft, she could install an Open Source office suite.</p> <p>d) What is open-source software? (2)</p> <p>e) Give an example of an Open Source office suite that she could use. (1)</p> <p>3) You have purchased a new printer. When you connect the printer to your computer for the first time, you have to install a printer driver that is on a CD provided with the printer.</p> <p>a. What is a driver? (1)</p> <p>b. Write down the missing words:</p> <p>When you plugged in a new wireless mouse for the first time, the driver was installed automatically by the operating system. This is known as plug and play, or _____. (2)</p> <p>c) What is a hot-swappable device? (2)</p> <p>4) Mention two utility programs that are part of the Windows 10 operating system. (2)</p>	
	<p><i>Refer learners to activities/assessment they can complete/do in their textbooks. Where there is more than one textbook rather refer to sections instead of specific page numbers. OR if necessary include an activity/assessment</i></p>	
CONSOLIDATION	<p>You should now be able to:</p> <ul style="list-style-type: none">• Describe system software in more detail.• Identify the different types of system software.• Explain the advantages and disadvantages of the different types of system software.• Describe drivers and utilities.• Understand the importance of computer security and software piracy.	
VALUES	<p>The learner should now be able to identify some issues around software.</p> <p>Learner able to Understand the importance of computer security and software piracy.</p> <p>Link topic or concepts/skills to real life scenarios</p>	