



Province of the
EASTERN CAPE
 EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)
HOME SCHOOLING SELF-STUDY WORKSHEET

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	06/04/20
TOPIC	Hardware: Summary of hardware	TERM 1 REVISION	✓	TERM 2 CONTENT	(Please tick)
TIME ALLOCATION	30 Minutes	<u>TIPS TO KEEP HEALTHY</u>			
INSTRUCTIONS	<ol style="list-style-type: none"> This is a Theory Worksheet: You will need a book to write your answers in and something to write with. Answer the following questions in your workbook. WHERE TO FIND THE ANSWERS: <ul style="list-style-type: none"> You may use your CAT textbook to find the answers or alternatively, you can use the free downloadable CAT textbook provided by the Department of Basic Education. See the link below to download this book. THEORY COMPUTER APPLICATIONS TECHNOLOGY: https://drive.google.com/drive/folders/17mOqPgJ1vHiwcErERV10jnEQgd6xpyj-?usp=sharing With thanks to the Department of Basic Education and the sponsorship of MTN this digital book and exercises are utilized by our CAT Grade 12 learners 	<ol style="list-style-type: none"> WASH YOUR HANDS thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%. PRACTICE SOCIAL DISTANCING – keep a distance of 1m away from other people. PRACTISE GOOD RESPIRATORY HYGIENE: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use. TRY NOT TO TOUCH YOUR FACE. The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. STAY AT HOME. 			



Activity 2.1

1. Write down the correct answer for each of the following questions.
 - a. Which one of the following is a technology that is commonly used to connect a variety of different devices to a computer?
 - A. OMR
 - B. LCD
 - C. USB
 - D. SSD
 - b. The _____ retains the data stored on it even if the power goes off.
 - A. AM
 - B. HDD
 - C. LED
 - D. CPU
 - c. Which hardware device can create electronic copies of documents by capturing an image?
 - A. Printer
 - B. Scanner
 - C. Stylus
 - D. Monitor
 - d. A(n) _____ is NOT an example of optical storage.
 - A. CD
 - B. DVD
 - C. HDD
 - D. Blu-ray disk
 - e. While editing videos on a mobile device, most of the battery life will be used by the _____.
 - A. Microphone
 - B. CPU
 - C. Screen
 - D. Speaker

2. Choose a term or concept from Column B that matches the description in Column A. Write only the letter next to the question number.

COLUMN A		COLUMN B	
2.1	A storage device used with a card reader	A.	Keyboard
2.2	A camera that captures media, such as pictures and videos mostly on a laptop	B.	Flash disk
2.3	Enters information, such as letters and numbers into a computer	C.	Printer
2.4	Converts electronic data into a hardcopy	D.	Fax machine
2.5	A commonly used portable storage device	E.	SD card
		F.	Webcam
		G.	Scanner

3. Correct the underlined word(s) if the statement is FALSE.
- A scanner captures media, such as pictures, videos and sound.
 - A fingerprint scanner scans documents, such as photographs and pages of text, and converts them into a digital format.
 - A monitor displays or sends data from a computerised device to other users.
 - Speakers convert data on a computer to sound.
4. Answer the following questions:
- What is hardware? Name at least three different types of hardware devices.
 - What are the two memory components on a motherboard (state their acronyms) and what is the difference between the two?
 - What is the difference between a modem, router and a switch?