



Province of the
EASTERN CAPE
 EDUCATION

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

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	08/04/20
TOPIC	Hardware: Input Devices	TERM 1 REVISION	✓	TERM 2 CONTENT	(Please tick)
TIME ALLOCATION	60 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 2.3

1. Write down the correct answer for each of the following questions.
 - a. Which of the following components can be used as an integration medium?
A. Keyboard B. Camera C. Touchpad D. Standard computer mouse
 - b. Carpal tunnel syndrome is caused by too much pressure on the wrists. Which of the following devices is most likely to give you CTS?
A. Monitor B. Printer C. Mouse D. Joystick
 - c. Which of the following is a limitation of voice recognition?
A. Can learn to recognise your own unique speech pattern
B. Background noise can influence performance
C. Should catch most spelling and grammar mistakes
D. Can be used for specialised voice commands
 - d. Which of the following is an advantage of the computer mouse?
A. The mouse requires a flat space close to the computer to operate
B. Uneven surfaces might affect the performance of the mouse
C. Disabled users might find it difficult to use both a keyboard and mouse
D. They are small and do not take much space
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	Risk associated with input devices	A.	Touch screen
2.2	Smartphone's integration of input	B.	Touchpad
2.3	Input device that enables recording of sound	C.	Keystroke logging
2.4	Input for <i>Siri</i> and <i>Bixby</i>	D.	Resolution
2.5	Measured in megapixels; the higher, the better the quality	E.	Digital camera
		F.	Voice recognition
		G.	VoIP
		H.	Microphone

3. Say if the following statements are TRUE or FALSE. Correct the underlined word(s) if it is false.
 - a. It is an advantage for disabled users who might find it difficult to enter information onto a keyboard.
 - b. Your wrist must be in a slanted position to use the keyboard correctly.
 - c. An optical mouse is very expensive.
 - d. The user must be computer literate to make full use of a digital camera.
 - e. A touch screen is an input and an output device.
4. Answer the following questions:
 - a. What is the difference between a touch screen and a touchpad?
 - b. What are two advantages of scanners?
 - c. How do integrated systems work?
 - d. How do wireless input devices work and what are two advantages of using them?
 - e. Which type of user will benefit the least from wireless inputs and explain why?
5. Read through and understand the following scenarios to provide an appropriate solution:
 - a. Since your father is technologically impaired, he came to you to explain to him what he must know before buying a webcam for work. List the advantages and limitations of a webcam.
 - b. Your parents decide to buy an entry-level computer with internet so that your grandmother can order her clothes and food online, and have them delivered. Explain to your grandmother how to use the keyboard and mouse ergonomically so that she does not suffer from pains. Give her at least seven tips.