Province of the

EASTERN CAPE
EDUCATION

DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING SELF-STUDY WORKSHEET ANSWER SHEET

SUBJECT	COMPUTER APPLICATIONS TECHNOLOGY	GRADE	12	DATE	31/3/20
TOPIC	Data, information, knowledge and wisdom	TERM 1 REVISION	✓	TERM 2 CONTENT	(Please tick)

1. What type of web tool is Wikipedia?
   Answer: B

2. What is the difference between data and information?
   Answer: Data is raw, unorganised numbers, signals or facts and information, in contrast with data, is facts and numbers that have been organised so that it is useful for people.

3. What software can be used to organise or interpret data in a school environment?
   Answer: Database software or spreadsheet software. Microsoft Access or Excel are acceptable answers.

4. Explain to fellow learners what each step in the DIKW pyramid means and how it progresses from one step to the next.
   Answer: Data, information, knowledge and wisdom (DIKW) pyramid. Data is raw, unorganised numbers, signals or facts and information is facts and numbers that have been organised so that it is useful for people. Remembering the information is knowledge. Applying that knowledge to make the right choice is wisdom.

5. You just received your CAT test results and comments. The averages of each question and of the test as a whole were given.

   a. Explain how you use the data and information to learn from the test and the experience to further deepen your wisdom, for example how can you and your teacher benefit from the information and how would you learn out of your mistakes?
   Answer: The student's own answer. The student should mention how class statistics can help the teacher evaluate teaching styles as well as show which parts of the curriculum the students are struggling with. The student can evaluate how they fared against the class as well as which sections they struggled with. They can also privately evaluate how well they did against how long they studied for the test.