 Province of the

EASTERN CAPE

EDUCATION

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET**

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| **SUBJECT** | INFORMATION TECHNOLOGY THEORY | **GRADE** | 11 | **DATE** | 20 April to 24 April 2020 |
| **TOPIC** | String and date manipulation – Delimited string | **TERM 1**  **REVISION** | (Please tick) | **TERM 2 CONTENT** | ✓ |
| **TIME ALLOCATION** | 1hr | **TIPS TO KEEP HEALTHY**  1. **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%.  2. **PRACTISE SOCIAL DISTANCING** – keep a distance of 1m away from other people.  3. **PRACTISE GOOD RESPIRATORY HYGIENE**: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use.  4. **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.  5. **STAY AT HOME.** | | | |
| **INSTRUCTIONS** | Resources used// Most of this week’s work is taken from the New DBE book   * Information Technology Practical Book Grade 11 , DBE Chapter 4 * Past Exam Papers   Answer all questions |
|  | Pig Latin is a language game that children play in order to hide what they are saying from people not familiar with Pig Latin.  To convert a word to Pig Latin, you place the first character of the word at the end of the word and add the letters “ay”. This  means that the word ‘Delphi’ would become ‘Elphiday’, and the phrase ‘Hello world’ would become ‘Ellohay orldway’. For  this project, you need to create a program that can convert from English to Pig Latin, and from Pig Latin to English.  To convert text from English to Pig Latin (and back), you will need to start by identifying all the spaces in the text.  ● Open the project saved in the Pig Latin\_p project here.    You should see the following user interface.    ● Write code for the [English to Pig Latin] button to extract data from MemoBox memEnglish and then convert the input text into Pig Latin. The converted text should be displayed in the Pig Latin MemoBox memPL.  ● Write code for the [Pig Latin to English] button that will extract data from MemoBox memPL and then convert the extracted text to English from Pig Latin. The converted text should be displayed in the MemoBox memEnglish. | | | | |