 Province of the

EASTERN CAPE

EDUCATION

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

**HOME SCHOOLING SELF-STUDY WORKSHEET**

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| **SUBJECT** | INFORMATION TECHNOLOGY PRACTICAL | **GRADE** | 10 | **DATE** | 20 April to 24 April 2020 |
| **TOPIC** | Decision making – If-else-then statement | **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 chapter 6   * Information Technology Practical Book Grade 10 , DBE * Past Exam Papers   Answer all questions |
|  | Create a program that generates three random numbers between 1 and 100. Display all three numbers to the user. If the user clicks the [Largest] button, display the value of the largest random number. If the user clicks the [Smallest] button, display the value of the smallest number.  For this application:  1 Create an algorithm for the [Smallest] button.  2 Create a flow chart for the [Largest] button.  3 Create a trace table for the [Smallest] button if the random numbers are 39, 41 and 15.  4 Create a trace table for the [Largest] button if the random numbers are 72, 14, and 11.  5 Create the program in Delphi and run it. | | | | |