 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 – Consolidation Exercise | **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 |
|  | ElectricityAcc\_p project below.    The town electricity account control department requires help in calculating arrears interest on outstanding payments. Arrears interest is calculated daily and added to the outstanding amount owing. In terms of their policy, arrears interest is calculated per day as follows:   |  |  | | --- | --- | | DAYS | ARREARS INTEREST % PER DAY | | 1 – 7 | 1% | | 8 – 14 | 3% | | >14 | 5% |   Open the ElectricityAcc\_p project embedded above and write code for the [Process] button to do the following:  a. Read the balance due amount from the EditBox.  b. Select the date from the date picker component of the due date by when the balance due was payable.  c. Calculate the following:  ●● number of days payment is overdue as of the current date,  ●● total amount owing after arrears interest is added and  ●● total arrear interest charged.  d. Display the original balance due, the number of days that payment is overdue, the new balance due, the total arrear interest charged.  Save and run the project. | | | | |