 Province of the

EASTERN CAPE

EDUCATION

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

**HOME SCHOOLING SELF-STUDY WORKSHEET**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SUBJECT** | INFORMATION TECHNOLOGY PRACTICAL | **GRADE** | 10 | **DATE** | 4 May to 8 May 2020 |
| **TOPIC** | Decision Making – Validating Data | **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 practical book chapter 6   * Information Technology Practical Book Grade 10 , DBE * Past Exam Papers   Answer all questions |
|  | Input validation  Design the following interface in a dephi program  Using this application, add the following data validation:  1 For the [Sqrt] button, add a conditional statement to make sure the number entered is equal to or larger than 0. This prevents the program from trying to find the square root of a negative number.  2 For the [/ ] button (that is, the division button), add a conditional statement to make sure the value entered into the second edit box is not 0. This prevents the program from dividing by 0.  In both cases, you can use the ShowMessage function to inform the user if they have entered an illegal number into the edit boxes. Once done, save the project in the 06 – Intermediate Calculator folder. | | | | |