**BASIC 7**

**WEEKLY LESSON PLAN – WEEK 8**

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| **Learning Indicator(s)** | **B7.4.1.1** | | |
| **Performance Indicator** | **B7.4.1.1.2 Demonstrate understanding in the use of data types (e.g.**  **float, integer, string, char, etc.)** | | |
| **Week Ending** | 05-11-2022 | | |
| **FORM** | B.S.7 | | |
| **Subject** | Computing | | |
| **Reference** | Teacher Resource Pack, Learners Resource Pack, Curriculum. | | |
| **Teaching / Learning Resources** | Personal Computer, Smart Phone, Word Chart | | |
| **CORE COMPETENCIES** | **Core Competencies:**  CI, CC, CL, CI 6.1, CC 7.4 | | |
| **DAYS** | **PHASE 1 : STARTER** | **PHASE 2: MAIN** | **PHASE 3: REFECTION** |
| **MONDAY**  **01-11-2022** | Review Learners knowledge on the previous lesson. | 1. Discuss the meaning of Data type with Learners. 2. Assist Learners to identify 5 examples of data type. 3. Learners brainstorm to explain the examples of data types.   **Meaning of Data type;**  Data type is an attribute associated with a piece of data that tells a computer system how to interpret its value. Understanding data types ensures that data is collected in the preferred format and the value of each property is as expected    **Data type**   * Boolean (e.g., True or False) * Character (e.g., a) * Date (e.g., 03/01/2016) * Double (e.g., 1.79769313486232E308) * Floating-point number (e.g., 1.234) * Integer (e.g., 1234) * Long (e.g., 123456789) * Short (e.g., 0) | **Core Competencies;**   * 1. Ability to combine information   and ideas from several sources to reach a  conclusion   * 1. Recognition of societal issues   emanating from the use of digital  technologies |
| **THURSDAY**  **04-11-2022** | Ask Learners questions around daily activities to identify data types | Discuss with Learners uses of data types with examples.   |  |  |  | | --- | --- | --- | | **Data Type** | **Used for** | **Example** | | String | Alphanumeric characters | hello world, Alice, Bob123 | | Integer | Whole numbers | 7, 12, 999 | | Float (floating point) | Number with a decimal point | 3.15, 9.06, 00.13 | | Character | Encoding text numerically | 97 (in ASCII, 97 is a lower case 'a') | | **Core Competencies;**   * 1. Ability to combine information   and ideas from several sources to reach a  conclusion   * 1. Recognition of societal issues   emanating from the use of digital  technologies |