**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 aconclusion* 1. Recognition of societal issues

emanating from the use of digitaltechnologies |
| **THURSDAY****04-11-2022** | Ask Learners questions around daily activities to identify data types | Discuss with Learners uses of data types with examples.

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| **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') |

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