**MATHEMATICS LESSON PLAN**

**GRADE 7**

**TERM 4: October – December**

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| PROVINCE: |  |
| DISTRICT: |  |
| SCHOOL: |  |
| TEACHER’S NAME: |  |
| DATE: |  |
| DURATION: | 1 Hour |

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| 1. **TOPIC: Representing Data** (**Lesson 5**) 2. **CONCEPTS & SKILLS TO BE ACHIEVED** |
| **By the end of the lesson learners should know and be able to :**   * Draw a variety of graphs by hand/technology to display and interpret data (grouped and ungrouped included)   -Double bar graphs  -Pie charts |

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| 1. **RESOURCES:** | DBE workbook, Sasol-Inzalo workbook, textbook |
| 1. **PRIOR KNOWLEDGE:** | * Display * Interpret * Intervals * Key/legend * frequency |
| 1. **REVIEW AND CORRECTION OF HOMEWORK** (suggested time: 10 minutes)   Homework provides an opportunity for teachers to track learners’ progress in the mastery of mathematics concepts and to identify the problematic areas which require immediate attention. Therefore, it is recommended that you place more focus on addressing errors from learner responses that may later become misconceptions. | |
| 1. **INTRODUCTION**  (suggested time: 5 minutes)   **Activity 1** | |

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| 1. **LESSON PRESENTATION/DEVELOPMENT** (Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities**  **(Learners are expected to :)** |
| Activity 1  Answer the questions below based on the two graphs:     1. Distinguish the difference between the two graphs. 2. How many girls prefer sprite from the two graphs? 3. What is the total number of boys and girls that prefer Coca Cola? 4. How many girls are there in total? 5. How many boys are the in total? 6. How many boys and girls are there in total?   **Activity 2**    Use the above data to draw the pie chart. | * Answer probing questions presented by the teacher. * Ask questions for better understanding if necessary. * Copy down the examples onto their exercise books. |

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| 1. **CLASSWORK** (Suggested time: 20 minutes) |
| **Activity 1**  **Estimating sizes of slices in a pie chart**      **Activity 2:** DBE Workbookpage 153-155 no 1(a) –(c) |

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| 1. **CONSOLIDATION/CONCLUSION & HOMEWORK** (Suggested time: 5 minutes) |
| **Emphasis on PIE Chart and Double Bar Graph**  • A circle is used to represent all the data  • Must have a title  • Each sector must be labelled, or a key provided to aid interpretation  • Each sector is calculated as a part of the whole  • When comparing pie charts, the total sample size should be provided   1. **Homework:**   The primary purpose of Homework is to give each learner an opportunity to demonstrate mastery of mathematics skills taught in class. Therefore Homework should be purposeful and the principle of ‘Less is more’ is recommended, i.e. give learners few high quality activities that address variety of skills than many activities that do not enhance learners’ conceptual understanding.  Carefully select appropriate activities from the Sasol-Inzalo Books, DBE workbooks and/or textbooks for learners’ homework. The selected activities should address different cognitive levels. |
| **Homework**  DBE workbook: page 164 -165 no 1-3 |