**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: PROBABILITY :** Probability(lesson 1) |
| 1. **CONCEPTS & SKILLS TO BE ACHIEVED:**   **By the end of the lesson learners should know and be able to:** perform simple experiments where the possible outcomes are equally likely and list the possible outcomes based on the conditions of the activity. |

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| 1. **RESOURCES:** | Textbooks, DBE Workbook2, Sasol-Inzalo Book 2, coin, dice, stack of playing cards |
| 1. **PRIOR KNOWLEDGE:** | * Experiments using a coin, dice and spinners * fractions * percentage |
| 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: 10 Minutes) | |
| Ask learners to work in pairs.  Activity  Give learners coins   * Predict what will happen when you spin or toss a coin * Spin the coin once * What is your observation?   NB. Consolidate by indicating to the learners that the ‘head and the tail’ are possible outcomes of a coin. | |

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| 1. **LESSON PRESENTATION/DEVELOPMENT** (Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities (Learners are expected to:)** |
| Lead learners in the activities as they work in groups  **Activity 1**  Give dice to the learners   * 1. Predict all possible outcomes when throwing adie.   2. Count the number of possible outcomes on a die   3. List all the possible outcomes   **Activity 2**  Give a stack of cards excluding the jokers to learners. Let learners play a game of picking a card without replacing it and record each result.  2.1. Pick a card and record each result on the table below   |  |  |  | | --- | --- | --- | | OUTCOME | TALLY | FREQUENCY | | Clubs |  |  | | Diamonds |  |  | | Spade |  |  | | Hearts |  |  | | Red |  |  | | Black |  |  | |  |  |  |   N.B: Consolidate by referring to the **outcomes** as **event** observed or **probability**. | * Respond to questions      * Responds to questions |

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| 1. **CLASSWORK** (Suggested time: 15 minutes) |
| DBE work book 2 page 174 no 1(a) – (d) 175 no 3 (a) –(b) |
| 1. **CONSOLIDATION/CONCLUSION & HOMEWORK** (Suggested time: 5 minutes) |
| 1. **Emphasise that**:  * Set of possible outcomes observed are regarded as an event. * Probability is the chance of something happening  1. 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, workbooks and/or textbooks for learners’ homework. The selected activities should address different cognitive levels.  **Recommended Homework:**  DBE work book 2 no 1[a (i – vii) and 1[b (i – vii)] |