**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 3) |
| 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 determine the probability of each possible outcome, using the definition of probability |

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| 1. **RESOURCES:** | Textbooks, DBE Workbook2, Sasol-Inzalo Book2, coloured pens |
| 1. **PRIOR KNOWLEDGE:** | * probability * prime numbers |
| 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) | |
| Let learners work in pairs.    Match column A and B   |  |  | | --- | --- | | COLUMN A | COLUMN B | | Outcome | An event that has 100% | | Certainty | A possible result of a probability experiment | | Probability | The likelihood of something happening | | Event | A possible outcome or set of possible outcome of an experiment or observation | |  |  | | |

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| 1. **LESSON PRESENTATION/DEVELOPMENT** (Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities (Learners are expected to:)** |
| Lead learners as they work in groups in all activities  **Activity 1**  A bag contains five red,five green, five blue and fiveyellow pens. If a single pen is chosen randomly from the bag, what is the probability of choosing:   1. Red pen? 2. Blue pen? 3. Yellow pen? 4. Green pen?   **Activity 2**  Choose a number at random from 11 to 19.   1. List the numbers from 11 to 19. 2. If you are to choose a number, what is the probability of picking each outcome? 3. What is the probability of choosing a prime number? 4. What is the probability of choosing an even number? 5. Write your answers in (b) and (c) as decimals.   **N.B:** Probability of any outcome is based on to the total number of possible outcomes | Respond to questions and share with the whole class |
| 1. **CLASSWORK** (Suggested time: 15 minutes) | | |
| Sasol Inzalo book 2 pg 242 No. 17(a) | | |
| 1. **CONSOLIDATION/CONCLUSION & HOMEWORK** (Suggested time: 5 minutes) | | |
| 1. **Emphasise that**:  * Probability of any outcome is based on the total number of possible outcomes. * Probability can be represented in a probability scale in a form a common fraction, percentage and decimals      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  **Homework:** | | |