**MATHEMATICS LESSON PLAN**

**GRADE 9**

**TERM 1: JANUARY – MARCH**

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| PROVINCE: |  |
| DISTRICT: |  |
| SCHOOL: |  |
| TEACHER’S NAME: |  |
| DATE: |  |
| DURATION: | 2 Hours |

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| 1. **TOPIC: ALGEBRAIC EXPRESSION:** Expand and simplify algebraicexpressions **(Lesson 4)** |
| 1. **CONCEPTS & SKILLS TO BE ACHIEVED:** |
| **By the end of the lesson learners should know and be able to:**   * divide polynomials by integers or monomials |

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| 1. **RESOURCES:** | DBE Book 1, Sasol-Inzalo Book1, textbook |
| 1. **PRIOR KNOWLEDGE:** | * laws of exponents * commutative, associative and distributive properties * like and unlike terms * properties of integers |
| 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. | |

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| 1. **INTRODUCTION** (Suggested time: 10 Minutes) |
| Discuss the following with the learners.   * when adding terms, only add terms having variables with the same power e.g. BUT , because and are not like terms. * when multiplying terms the coefficients are multiplied and the exponents of the same variable are added, e.g. |

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| 1. **LESSON PRESENTATION/DEVELOPMENT** (Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities**  (Learners are expected to:) |
| **Activity 1**  Demonstrate to learners the FOIL method (or any other applicable method) to the learners using the following examples.   |  |  | | --- | --- | |  | First | |  | Outer | |  | Inner | |  | Last | |  | | |  | |  1. ( | * follow the teacher’s demonstration * practice the activities given to them |

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| 1. **CLASSWORK** (Suggested time: 15 minutes) |
| Sasol-Inzalo Book 1, pg. 140, no 3  Sasol-Inzalo Book 1, pg. 141 no. 6 a, d. |

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| 1. **CONSOLIDATION/CONCLUSION & HOMEWORK** (Suggested time: 5 minutes) |
| 1. **Emphasise that**:  * when adding terms, only add terms having variables with the same power * when multiplying terms the coefficients are multiplied and the exponents of the same variable are added  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 Home work:**  Sasol-Inzalo Book 1, pg. 141, no 4  Sasol-Inzalo Book 1, pg. 141 no. 6 e, h. |