**MATHEMATICS LESSON PLAN**

**GRADE 7**

**TERM 1: January – March**

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

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| 1. **TOPIC: CONSTRUCTION OF GEOMETRIC FIGURES:** Constructions **(Lesson 5)** |

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| 1. **CONCEPTS & SKILLS TO BE ACHIEVED:**   **By the end of the lesson, learners should be able to** accurately construct geometric figures appropriately using compass, ruler and protractor, including: angle to one degree accuracy. |

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| 1. **RESOURCES:** | DBE workbook 1, Sasol-Inzalo book 1, Mathematical instruments. |
| 1. **PRIOR KNOWLEDGE:** | * Constructing angles * Types of angles |
| 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 the learners draw:   * an acute angle. * a right angle * an obtuse angle   The teacher should allow a few learners to draw these angles on the chalkboard. | |

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| 1. **LESSON PRESENTATION/DEVELOPMENT** (Suggested time: 20 minutes) | |
| **Teaching activities** | **Learning activities**  (Learners are expected to:) |
| **Activity 1**  Construct OBE with OBE and OEB .   * What type of angle is BOE? * What type of triangle is OBE?   **Activity 2**  Construct RST with RST and RTS .   * What type of angle is SRT? * What type of triangle is RST?   **Activity 3**  Construct BMW with BMW and BWM .   * What type of angle is MBW? * What type of triangle is BMW?   **Wrap up**  Triangles can be classified according to angles as follows:   * Acute-angled triangle: All angles are acute angles. * Right-angled triangle: One angle is a right angle. * Obtuse-angled triangle: One angle is an obtuse angle.   **Hint:**  Advise learners to draw rough sketches before they do any constructions | * Learners do the construction in their exercise books |

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| 1. **CLASSWORK** (Suggested time: 15 minutes) |
| Constructions done during the lesson |
| 1. **CONSOLIDATION/CONCLUSION & HOMEWORK (Suggested time: 5 minutes)** |
| 1. Emphasis that triangles are classified according to types of interior angles. 2. 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**:   1. Do No. 7 on page 48 of the DBE workbook |