**LESSON DEVELOPMENT TWO**

**PLANE SHAPES – A CIRCLE**

**CHORD, MINOR AND MAJOR SEGMENT**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction**  **(5 minutes)** | **INTRODUCTORY ACTIVITIES –**  Asks the pupils to draw with a diameter and radius. | **HANDS ON ACTIVITIES** | Linking the Previous knowledge to the new lesson |
| **Step 2**  **Development**  **(5 minutes)**  **Grouping** | 1. Groups the learners into four groups – A, B, C, and D.  2. Guide the learners to choose a leader and secretary for your group.  3. Gives each group learning materials – cardboard, scissor and drawing materials. | 1. Belong to a group.  2. Choose their leader and secretary.  3. Received learning materials for their group. | Learner’s group, leader and secretary confirmed. |
| **Step 3**  **Development**  **(5 minutes)** | **GENERAL ACTIVITIES – INSTRUCTIONS**  1. Draw 2 circles on a cardboard.  2. Cut out the 2 circles.  3. Fold and cut one circles into two (not equal parts).  4. Trace the line on the second circle not cut.  5. Compare your results with this chart. | **HANDS ON ACTIVITIES**    ***Note for the pupils –*** *The line on the circle is called a chord or line of segment.* | Part of circle – a chord and segment (minor and major) |
| **Step 4**  **Development**  **(10 minutes)** | **GROUPS ACTIVITIES – INSTRUCTIONS**  1. Differentiate between diameter and chord.  2. Differentiate between minor and major segment. | **GROUPS WORK**  Diameter divides a circle into 2 equal parts while a chord also divide a circle but not into equal parts.  2. The different between minor and major segment – minor segment is the small part of the circle divided by chord while major segment is the large part of the circle after the small one. | Identification of chord and segment. |
| **Step 5**  **Development**  **(10 minutes)** | Asks each group to present their results/solutions so that you can compare responses with those in other groups. | **Presentation** | Group Presentation |
| **Step 6**  **Conclusion**  **(5 minutes)** | To conclude the lesson, the teacher revises the entire lesson and ask the key questions.  **SUMMARY –** A **chord** is a line segment joining two points on the circumference.  Minor and major **segment** are both parts of the circle divided by a chord. | The learners listen, ask and answer questions. | Lesson Evaluation and Conclusion |

***Reference book – New Method Mathematics Book 5.***