**LESSON DEVELOPMENT THREE**

**PLANE SHAPES – A CIRCLE**

**ARC AND SECTOR**

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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, radius, chord and segment. | **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 one of the circles into two equal parts. Don’t cut.  4. Fold the two semi circles.  5. The circle is divided into 4, cut out one part.  6. Trace the line on the second circle not cut.  7. Compare your results with this chart. | **HANDS ON ACTIVITIES** | Part of circle – a arc and sector (minor and major) |
| **Step 4**  **Development**  **(10 minutes)** | **GROUPS ACTIVITIES – INSTRUCTIONS**  1. Differentiate between minor and major sector.  2. Differentiate between minor and major arc. | **GROUPS WORK**  1. A sector is a portion between two radii (radii plural of radius). The small part is called a minor sector while the large part is called major sector. | Identification of arc and sector. |
| **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**  2. An arc is the distance between points on the circumference. The small part is called minor arc while the large part is called major arc. | Group Presentation |
| **Step 6**  **Conclusion**  **(5 minutes)** | To conclude the lesson, the teacher revises the entire lesson and ask the key questions.  **SUMMARY –** *as in the presentation.* | The learners listen, ask and answer questions. | Lesson Evaluation and Conclusion |

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