**LESSON DEVELOPMENT THREE**

**HORIZONTAL AND VERTICAL LINES**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction – Introductory Activities**  **(5 minutes)** | Asks pupils to look at the chart carefully and describe what they see.  The four arrow are called 4 cardinal points. They represent direction or location of a place on the map.  The letters are North (N), South (S), East € and West (W) | Probably, they will mention 4 arrow with letters – N, S, E and W. | Linking the Previous knowledge to the new lesson – 4 cardinal points |
| **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 – sample/chart of cardinal points. | 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 – Groups Activities**  **(5 minutes)** | The four cardinal points are further divided into 8 cardinal points.  For example, between North and East will have North – East (NE).  Find other cardinal between South and East, South and West and North West. |  | 8 cardinal points |
| **Step 4**  **Development – Groups Activities**  **(10 minutes)** | **GUIDED INSTRUCTIONS** |  | Groups work |
| **Step 5**  **Development – Presentation**  **(10 minutes)** | Asks each group to present their results/solutions so that you can compare responses with those in other groups. | **Presentation – Call on any member of at least two pairs in each to make presentation to the class.** | Group Presentation |
| **Step 7**  **Conclusion**  **(5 minutes)** | To conclude the lesson, the teacher revises the entire lesson and ask the key questions.  **KEY QUESTIONS – The map below shows Nigeria and some other African countries. Study it carefully.**  Nigeria is South of Niger Republic  2. Chad Republic is \_\_\_\_\_ of Nigeria  3. Benin Republic is \_\_\_\_\_ of Nigeria. | The learners listen, ask and answer questions.  **KEY QUESTIONS**  4. \_\_\_\_\_ is both East and South East of Nigeria.  5. \_\_\_\_\_ is both North and North West of Nigeria. | Lesson Evaluation and Conclusion |

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

***Instructional Materials***