**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)** | 1. **Draw** 5 different lines. 2. **Compare** each of your line with these two lines.  |  | 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 – cube or cuboid cartoon.  | 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)** | ***Lets*** pupils identify the lines by names – horizontal and vertical lines. ***Guides*** them to differentiate between horizontal and vertical lines with practical illustrations – vertical (standing) and horizontal (lying down)  |  | Identification of horizontal and vertical lines by names.  |
| **Step 4****Development – Groups Activities** **(10 minutes)** | **GUIDED INSTRUCTIONS** ***When*** 3 or more lines joined together, they formed a shape. ***How*** many line formed this shape?***How*** many of these lines arevertical and horizontal lines.***The*** face of this shape looks like ***square or rectangular*** face? **Name** five (5) shapes that the represent – for example, Maggi cube. | The shape has 12 lines.It has 4 vertical lines and 8 horizontal lines.It has a square faces. Cube of sugar, cartoon, a room, classroom and table top fridge.  | Vertical and horizontal lines  |
| **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 –** How many vertical (V) and horizontal (H) are in the following shapes? | The learners listen, ask and answer questions. **H \_\_\_\_, V \_\_\_\_** …. **H \_\_\_\_, V \_\_\_\_** …. **H \_\_\_\_, V \_\_\_\_**  | Lesson Evaluation and Conclusion  |

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

***Instructional Materials***

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