**LESSON DEVELOPMENT THREE**

**PROPERTIES OF CUBE AND CUBOID**

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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 identify cube and cuboid among the following three dimensional shapes.  |  | 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 – open and closed cube and cuboid  | 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** **(10 minutes)** | Guides pupils to identify the edge, face and vertex of cube and cuboid.Asks the groups to – Find the total number of edges, faces and vertice (corners).State the similarities and different between their properties.  |  | Properties of cube and cuboid  |
| **Step 4****Development – Groups Activities and Presentation** **(15 minutes)** |  ***Presentation***  | **SIMILARITIES –** Both have equal number of edges, faces and vertice. **DIFFERENT –** **Cube** A cube has 8 vertices A cube has 12 equal edges A cube has 6 equal faces **Cuboid** A cuboid has 8 vertices A cuboid has 12 unequal edges A cuboid has 6 unequal faces | Groups Presentation  |
| **Step 5****Development****(5 minutes)**  | To conclude the lesson, the teacher revises the entire lesson and ask the key questions. **KEY QUESTIONS**Copy and complete the following. 1. A three-dimensional shape having equal faces \_\_\_\_\_\_\_.  | The learners listen, ask and answer questions.2. A cuboid has \_\_\_\_\_\_\_ unequal faces. 3. The face of a cuboid is a \_\_\_\_\_\_\_. 4. An open shoe box has \_\_\_\_\_\_\_\_\_\_\_\_\_ faces. | Lesson Evaluation and Conclusion  |

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

**Instructional Materials**