**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 differentiate between square and rectangle.  | Square has all lines and angles are equal. Rectangle has 2 opposite lines are equal. Also, all angles are equal.  | 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 – sample of cube and cuboid. Charts of 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** **(5 minutes)** | Asks each group to –1. Compare cube and cuboid with the ones on chart.2. Identify the name of cube and cuboid with the one on chart.  |  | Identification of cube and cuboid.  |
| **Step 4****Development – Groups Activities** **(10 minutes)** | **GUIDED INSTRUCTIONS** **Guides the groups to identify the faces, vertices and edges of cube and cuboid. Also asks,** 1. There are \_\_\_\_\_\_\_ faces.2. There are \_\_\_\_\_\_\_ vertices. 3. There are \_\_\_\_\_\_\_ edges.4. Cut out a face of cube and cuboid. What shape do you observe?  | **Cube**Number of faces \_\_\_\_\_\_\_Number of vertices \_\_\_\_\_\_\_Number of edges \_\_\_\_\_\_\_**Cuboid**Number of faces \_\_\_\_\_\_\_Number of vertices \_\_\_\_\_\_\_Number of edges \_\_\_\_\_\_\_***Observations – square and rectangle***  | Properties of cube and cuboid.  |
| **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. **SUMMARY** Cube is a 3-dimensional solid object bounded by six square faces or sides. It has 6 faces, 12 edges, and 8 vertices.Cuboid is a 3-dimensional shade bounded by six faces (only rectangle or both rectangle and square). It has 6 faces, 12 edges, and 8 vertices. | The learners listen, ask and answer questions.**KEY QUESTIONS** ***Differentiate between between cube and cuboid.*** **ASSIGNMENT** ***Construct a cube and cuboid.*** ***Mention 6 objects each for cube and cuboid that represent both shape. For example – Maggi cube or shoes package (cuboid).***  | Lesson Evaluation and Conclusion  |

***Reference book – New Method Mathematics Book 6.***

***Instructional Materials ***

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 ***Cube Cuboid***