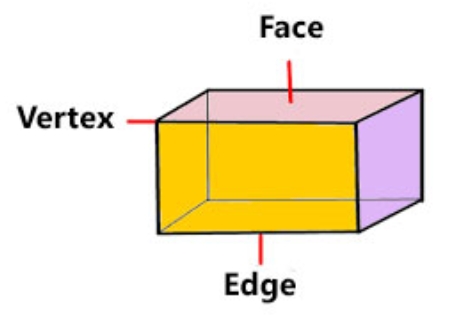
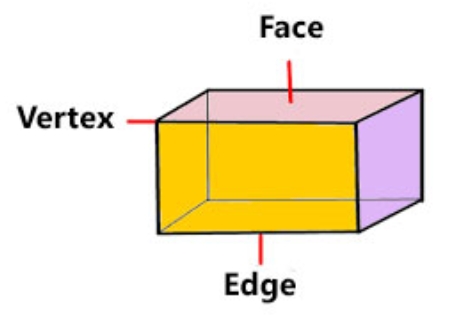
**LESSON DEVELOPMENT THREE**

**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**