**LESSON DEVELOPMENT ONE**

**INTRODUCTION TO 3 DIMENSIONAL SHAPES**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1**  **Introduction**  **(5 minutes)** | **INTRODUCTORY ACTIVITIES – Pupil’s Activities**  Asks pupils to match the face of 2 dimensional shapes with 3 dimensional shapes.  Lets them describe and compare 2 and 3 dimensional shapes.  Guides them to identify triangle with pyramid, square and rectangle with cuboid and triangle with prism. | **MIND ON ACTIVITIES –**  **2 – Dimensional Shapes**  **3 – 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 – sample of cube, cuboid, pyramid and prism (real and constructed objects). Chart showing examples of cubes, cuboids, pyramids and prisms. | 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**  **(5 minutes)** | **GENERAL ACTIVITIES** – Pupil’s Activities  Guides pupils to identify 3 Dimensional Shapes – Cube, Cuboid, Pyramid and Prism.  Asks them to match the real objects with appropriate 3 – Dimensional and. | **MIND ON ACTIVITIES**  **Cube –** Cube sugar, Maggi cube and Ludo dice.  **Cuboid -** Brick, box of chalk and cartoon of detergents.  **Pyramid –** Pyramid of ground.  **Prism –** Building roof. | 3 – Dimensional Shapes with real life objects |
| **Step 4**  **Development**  **(10 minutes)** | **GROUPS ACTIVITIES – INSTRUCTIONS**  Copy and complete this table:   |  |  |  |  | | --- | --- | --- | --- | | **Solid shapes** | **Faces** | **Edges** | **Vertices/**  **Corners** | | **Cube** |  |  |  | | **Cuboid** |  |  |  | | **Pyramid** |  |  |  | | **Prism** |  |  |  | | **GROUPS WORK**  **Guides pupils to recall meaning of faces, edges and vertices.** | Properties of 3 – Dimensional Shapes – Cube, Cuboid, Pyramid and Prism |
| **Step 10**  **Development**  **(10 minutes)** | Asks each group to present their results/solutions so that you can compare responses with those in other groups. | Presentation | Group Presentation |
| **Step 6**  **Conclusion**  **(5 minutes)** | To conclude the lesson, the teacher revises the entire lesson and ask the key questions.  **SUMMARY –** 3 Dimensional Shapes is a solid shape with length, breadth (width) and heights.  **KEY QUESTIONS (ASSIGNMENT) – QUANTITATIVE**  New Method Mathematics Book 6, page 239, exercise number 7. | The learners listen, ask and answer questions. | Lesson Evaluation and Conclusion |

***Reference book – New Method Mathematics Book 5.***