**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:

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| --- | --- | --- | --- |
| **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.***