**LESSON DEVELOPMENT TWO**

**Application of Pythagoras' rule**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1****Introduction** **(5 minutes)** | Based on their knowledge, the teacher asks the following questions - What is Pythagoras rule?  | Pythagoras rule means the sum of the squares of the other two sides is equal to the square of the longest length.  | Previous knowledge confirmed. |
| **Step 2** **Development** **(5 minutes)**  | 1. Groups the pupils into four groups – A, B, C, and D. 2. Guide the pupils to choose a leader and secretary for your group. 3. Gives each group learning materials.  | 1. Belong to a group. 2. Choose their leader and secretary. 3. Received learning materials for their group.  | Pupil’s group, leader and secretary confirmed. |
| **Step 3****Development** **(10 minutes)** | Guides the pupils to use Pythagoras rule to calculate the unknown side. a^2 + b^2 = c^2  | a^2 + b^2 = c^29^2 + b^2 = 15^281 + b^2 = 225b^2 = 225 – 81 = 144b = √144 = √(12 x 12)b = 12  | Application of Pythagoras rule  |
| **Step 4****Development****(10 minutes)** | Guides the pupils to use Pythagoras rule to calculate the unknown side. a^2 + b^2 = c^2 | a^2 + b^2 = c^25^2 + 12^2 = c^225 + 144 = c^2169 = c^2 c = √169 = 13 | Application of Pythagoras rule  |
| **Step 5****(10 minutes)**  | **ASSIGNMENT** Calculate the unknown sides **CONCLUSION** To conclude the lesson for the week, the teacher revises (through questions and answers) the entire lesson and links it to the next lesson. | Listen, ask and answer questions. | Assignment and Conclusion  |