**LESSON DEVELOPMENT TWO**

**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 –   1. Describe right angle triangle. 2. What is the longest side of right angle triangle called? | 1. Right angles triangle has one of its angle is at 90°. 2. It is called hypotenuse while other two sides are opposite and adjacent. | 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**   1. **minutes)** | Guides pupils to draw a right-angled triangle with side 3cm, 4cm and 5cm. |  |  |
| **Step 4**  **Development**  **(20 minutes)** | **Guides pupils to:**   1. Name all sides a, b and c. 2. Square each of the side. 3. Add square a and b, a and c, b and c. 4. Compare the results square of a, b and c.   Use their comparison to lead them to Pythagoras rule and its meaning. | That’s, a = 3cm, b = 4 cm and c = 5cm.  2. a^2 = 9, b = 4^2 = 16 and c^2 = 25.  3. a^2 + b^2 = 9 + 16 = 25, a^2 + c^2 = 9 + 25 = 34, b^2 + c^2 = 16 + 25 = 41.  4. a^2 + b^2 = c^2 that’s 9 + 16 = 25  Pythagoras rule means the sum of the squares of the other two sides is equal to the square of the longest length. | Meaning of Pythagoras rule |
| **Step 5**  **(5 minutes)** | **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. | Conclusion |