**LESSON DEVELOPMENT THREE**

 **RELATIONSHIP BETWEEN DEGREE FAHRENHEIT TO DEGREE CELSIUS**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1****Introduction** **(10 minutes)** | Guides and lets pupils attempt assignment - convert these temperatures to degrees Fahrenheit – 1. 35ºC 2. 25ºC | Given, °**F = 9C + 32** **5*****Solution 1***°F = 9 x 35 + 32 5 = = 315 + 32 = 63 + 32 = 90° 5 Therefore, °F = 90°***Solution 2***°F = 9 x 25 + 32 5 = 225 + 32 = 45 + 32 = 77° 5Therefore, °F = 77° | 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. – pencil, book, ruler, and chart showing degree Fahrenheit.  | 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)** | Guides and lets pupils to know that temperature is measured in degrees Fahrenheit (°F) or degrees Celsius (°C). Lets them study carefully, the relationship between degrees Celsius (or centigrade) °C or degrees Fahrenheit (°F) – °C = 9 (F – 32) 5 | Get to know the basic unit of temperature – degrees Fahrenheit (°F) or degrees Celsius (°C).  | Degree Celsius  |
| **Step 4****Development** **(15 minutes)**  | Guides pupils to convert these temperatures to degrees Celsius – 1. 90°2. 77° | Given, **C = 9 (F – 32)** **5*****Solution 1***Given, °C = 9 (F – 32) 5Where F = 90°°C = 9 (90 – 32) = 9 x 58 5 5 = 522  5Therefore, °C = 104.4°***Solution 2***Given, °C = 9 (F – 32) 5Where F = 77°°C = 9 (77 – 32) = 9 x 45 5 5 = 405 5Therefore, °C = 81° | Conversion to Degrees Fahrenheit  |
| **Step 5****Conclusion****(5 minutes)** | 1. To conclude the lesson, the teacher revises the entire lesson – To change the temperature from degrees Celsius to degrees Fahrenheit use this formula: °F = 9C + 32 5The temperature from degrees Fahrenheit to degrees Celsius is given as °C = 9 (F – 32).  52. Asks the key questions – Assignment – Convert these temperatures to degrees Celsius – 1. 75ºC 2. 122ºC | The learners listen, ask and answer questions. | Lesson Evaluation and Conclusion  |