**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°  5  Therefore, °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)  5  Where F = 90°  °C = 9 (90 – 32) = 9 x 58  5 5  = 522  5  Therefore, °C = 104.4°  ***Solution 2***  Given, °C = 9 (F – 32)  5  Where F = 77°  °C = 9 (77 – 32) = 9 x 45  5 5  = 405  5  Therefore, °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  5  The temperature from degrees Fahrenheit to degrees Celsius is given as °C = 9 (F – 32).  5  2. 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 |