**LESSON DEVELOPMENT TWO**

**CONSEQUENCES OF OVER EXPLOITATION OF MINERAL RESOURCES ON ENVIRONMENT**

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| **STAGE/TIME** | **TEACHER’S ACTIVITIES** | **LEARNER'S ACTIVITIES – MIND/HANDS ON** | **LEARNING POINTS** |
| **Step 1****Introduction** **(5 minutes)** | Guides pupils to recall the importance of mineral resources.  | 1. It provides job for the people. 2. It provides social amenities. 3. It improves the standard of living. 4. It provides raw materials and tools for the industries and agriculture. 5. It provides money for the government.  | Linking Previous knowledge to the lesson.  |
| **Step 2** **Development** **(5 minutes)** **Grouping** | 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 – charts of mineral resources and their byproducts.  | 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 pupils to discuss how mineral resources are extract from the soil. When a mineral resource is found in a place, it involves digging deep into a very wide area. Extracting the minerals out of the soil is called exploitation. Exploitation has good and bad effects on our environment. The good effects are already mentioned in step 1. | Pupil listen and asked questions.  | Meaning of exploitation  |
| **Step 4****Development****(10 minutes)** | The bad effects are the consequences of over exploitation of mineral resources.Diseases the consequences with the pupils.  | Pupils listen and discuss with their teacher consequences of over exploitation of mineral resources. 1. It makes the soil not useful for farming.2. It reduces the mineral content of the soil.3. It can cause earthquake or land slide.4. It can lead to water, land and air pollution.  | Consequences of over exploitation of mineral resources  |
| **Step 5****Conclusion/Evaluation** **(10 minutes)**To conclude the lesson, the teacher revises the entire lesson and links it to the next lesson, and asks the key questions**.**  | Exploitation is the process of extracting or mining mineral resources.This exploitation has good and bad effects on man, plants, animals and our environment as discussed above.Asks the key questions –1. What is exploitation? 2. Mention 2 good effects of exploitation.3. Mention 2 bad effects of exploitation.  | Pupils listen, ask and answer questions.  | Conclusion and evaluation  |