L**EMERALD ROYAL INTERNATIONAL SCHOOL, MPAPE ABUJA**

**LESSON PLAN AND NOTE FOR WEEK 1 ENDING FRIDAY, 13th JANUARY, 2023**

**TERM:** SECOND TERM

**WEEK:** WEEK 1

**DATE** : 9th - 13th January 2023

**SUBJECT:** Biology

**CLASS : SS 2**

**TOPIC :**  Conservation of natural resources

**SUB - TOPIC: 1**. definition

1. Need or importance of conserving natural resource
2. Methods and ways of conserving natural resources
3. Agencies responsible for conserving natural resources

**PERIOD : 7th**

**TIME :** 12: 30 - 1:00

**DURATION** : 40 minutes

**AVERAGE AGE** : 15 years

**SEX:** mixed

**LEARNING OBJECTIVES:** by the end of the lesson,the students, should be able to;

1. Define conservation of natural resources
2. State the needs for conserving natural resources
3. List the method of conserving natural resources
4. Mention the agencies responsible for conserving natural resource.

**RATIONALE:** the students should understand the needs and methods of conserving natural resources.

**PREVIOUS KNOWLEDGE:** The students can explain and give examples of natural resources.

**INSTRUCTIONAL MATERIALS:** chart showing different natural resources.

**Reference Material:** Essential Biology foe Senior Secondary School by M.C. Michael.

**LESSON DEVELOPMENT**

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| **STAGES** | **TEACHER’S ACTIVITIES** | **PUPILS ACTIVITIES** | **LEARNING POINT** |
| **INTRODUCTION** | The teacher introduces the lesson by asking the students to identify the different natural resources in the chart. | The students identify the different natural resource. | To arouse the students interest. |
| **PRESENTATION**  **STEP 1** | The teacher asks the students to define conservation. | The students define conservation. | To encourage critical thinking. |
| **STEP 2** | The teacher explains the needs and methods of conserving natural resources. | The students pay attention. | To keep them focus. |
| **STEP 3** | The teacher states the agencies responsible for conserving natural resources. She asks the students to repeat after her. | The students were active. | To encourage retention ability. |
| **BOARD SUMMARY** | **CONSERVATION OF NATURAL RESOURCES**  Conservation is defined as the planned or control exploitation or judicious use of natural resources to ensure their continuous availability and to preserve the quality or original nature of the environment.  **NEEDS OR REASONS FOR CONSERVING NATURAL RESOURCES.**   1. To prevent the destruction of natural ecosystem. 2. To allow for continued use of natural resources. 3. To preserve rare and valuable species of plant and animals for future generation or to save them from extinction or permanent destruction. 4. To preserve natural beautiful sceneries for their aesthetic values. 5. For research purposes. 6. Forest provides medicinal materials and therefore should be conserved to ensure easy availability and continued existence. 7. To promote recycling of some scarce natural resources.   **METHODS OR WAYS OF CONSERVING NATURAL RESOURCE.**  **Method of conserving wild life**   1. Establishment of game or forest reserve. 2. Establishment of zoological garden. 3. Control of hunting to prevent extinction of some animal species.   **Method of conserving forest.**   1. Cutting of trees without destroying the under growth should be encouraged. 2. Prevention of plants pest and diseases. 3. Establishment of forest reserve.   **Method of conserving soil**   1. Prevention of bush burning which may expose the soil to erosion. 2. Avoid clean clearing which may expose the soil to erosion. 3. Prevention of overgrazing which may cause soil erosion.   **Method of conserving air**   1. Proper treatment and disposal of sewage. 2. Prevention of fumes from auto-mobiles or thermal plants which may affect aerial life or render air unfit for organisms. 3. Prevention of effluents from factories or factory chimneys which may pollute the air or cause acidic rain.   **Method of conserving mineral resources**   1. Over dependency on a particular mineral should be discouraged as this can lead to depletion of such mineral resource. 2. They should be legislation against indiscriminate mining of natural resource. 3. Effective and efficient extraction method of mining should be adopted to prevent wastage.   **AGENCIES RESPONSIBLE FOR CONSERVING NATURAL RESOURCE**   1. Nigerian Conservation Foundation. 2. Forest department. 3. Federal Environmental Protection Agency. 4. River Basin development Authority. 5. Ministries of Agriculture. 6. Department of Wild Life Conservation. | The students ask questions for further clarification. | To create room for slow learners. |
| **Evaluation** | The teacher evaluates the students with the following questions:   1. Define conservation of natural resources. 2. State at least 5 reasons for conserving natural resource. 3. List at least 5 agencies that are responsible for conserving natural resources. | The students attempt the questions. | To ascertain their level of understanding. |
| **Conclusion** | The teacher concludes by coping the note on the board. She checks and marks the note. | The students copy the note on the board. | For future use. |
| **Assignment** | 1. Explain renewable and non renewable natural resource. 2. Differentiate between renewable and non renewable. 3. What are the benefits of conserving natural resources. 4. State at least 7 problems associated with conserving natural resource. | The students did and submit their assignment for marking and correction. | To encourage the students to study at home. |



4/3/2023

Principal Head Instructor

NOTE: Do your corrections as in previous notes and effect them in subsequent lesson notes as well.