

Semi-Detailed Lesson Plan Grade 8 Science

Content/Topic: Levels of Biodiversity

Learning Competencies/Learning Objectives

At the end of the lesson, the learners must be able to:

1. define Biodiversity;
2. identify the three levels of Biodiversity;
3. value the importance of Biodiversity;

Subject Matter

A. References:

- Grade 8 Science Learner's Module
- Science worktext for Grade 8 Vol. 3 No. 4
- Internet

B. Time Allotment:

- 1 hour

C. Instructional Materials:

- Visual aids
- Pictures
- Whiteboard
- Marker
- Eraser
- Laptop
- DLP projector
- Lesson plan
- Jigsaw puzzle

D. Learning Strategy

- Cooperative Learning: The teacher's goal is to let the students have teamwork. Where students are responsible for each given levels of Biodiversity.
- Jigsaw: The teacher will let each student on the team becomes an "expert" on understanding the levels of Biodiversity by working and sharing knowledge with members from other teams who have assigned the same corresponding level of Biodiversity.
- Face-to-Face Interaction: The teacher will let the students gathered all the information or learnings from other groups. Upon returning to their teams, each who has assigned by a given topic teaches the group about his/her understanding. Let students ask questions from one another.

E. Key Concepts:

- Biodiversity: the variety of life in the world or in a particular habitat or ecosystem.

- Species Diversity: different kinds of organisms
- Genetic Diversity: genetic information that organisms contain
- Ecosystem Diversity: different kinds of places where organisms live and the interconnections that bind these organisms together.

F. Process Skills:

- The students discuss the assign levels and let them brainstorm the topic and share their knowledge to other groups by the jigsaw activity.
- The students will draw some organisms they think connected to each levels of Biodiversity in their Science notebook.

Learning Activities/Procedure

Teacher’s Activity

Learner’s Activity

Preliminary Activities

- Arranging of chairs
- Prayers (Roman Catholic & Muslim)
- Greetings
- Attendance

Recalling

- The students recall the importance of Biodiversity. What human activities destroy or endanger the existence of rare and economically important species? What human activities help protect and conserve rare and economically important species?

Motivation

The teacher will show a video presentation about Biodiversity and it’s levels.

- The student will arrange the “Jigsaw Puzzle Activity”

Presentation of Objectives

The teacher will present the lesson objectives

- The students read the target lesson objectives

Lesson Proper

The teacher will group the class into

- The students actively participated to the said activity and brainstorm what was the puzzle they form all about.

5 active groups and each group has a jigsaw puzzle of each levels of Biodiversity.

Assessment

The teacher will be raised on the board the rubrics of their topic presentation in the jigsaw activity.

Rubrics

Content - 25 points
Teamwork - 20 points
Cooperation - 5 points

Total: 50 points

Synthesis/Realization

The teacher asks students about what they have learned from today's lesson.

In realization the students will explain the importance of Biodiversity in a ½ crosswise sheet of paper. "What is the importance of Biodiversity?"

Enrichment Activity

table

- the students will write in a format the differences of the three levels of Biodiversity in their Science notebook.

"What are the differences of Biodiversity?
Use the book Grade 8 Science Module pg. 235-236.

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