

Pollution

Subject: Basic Science

Class: JSS 3

Date: 2025-04-25

Time: 10:00 - 11:00

School: School C

Trainee: Trainee10 Student10

Supervisor: Supervisor1 Last1

Objectives

Identify different types of pollution and their sources. Explain the effects of pollution on health and the environment. Propose solutions to reduce pollution in their communities.

Activities

Step 1: Types of Pollution \- Teacher Activity: The teacher will present a chart displaying different types of pollution (air, water, land, noise) while explaining each type's characteristics. \- Student Activity: Students will work in pairs to discuss examples of each type of pollution they encounter in their daily lives. ### Step 2: Effects of Pollution \- Teacher Activity: The teacher will show a video illustrating the impact of pollution on health and wildlife. Afterward, a brief discussion will follow. \- Student Activity: Students will write down three effects of pollution they observed in the video or have seen themselves. ### Step 3: Solutions to Pollution \- Teacher Activity: The teacher will facilitate a brainstorming session on possible solutions to reduce pollution. Ideas such as recycling, community clean-ups, and reducing plastic use will be encouraged. \- Student Activity: In small groups, students will create a poster showcasing one solution to pollution that they can implement at school or home. ### Step 4: Class Discussion \- Teacher Activity: The teacher will guide a class discussion where each group presents their poster and explains why their solution is important. \- Student Activity: Other students will ask questions or provide additional suggestions related to each group's proposed solution. ### Rationale Pollution is a pressing global issue that affects the environment, human health, and biodiversity. In the Nigerian context, understanding pollution is crucial as it directly relates to the students' daily lives and their communities. This lesson aligns with the NERDC curriculum objectives by fostering environmental awareness and encouraging critical thinking about sustainable practices. By exploring various types of pollution—air, water, land, and noise—students will grasp the interconnectedness of human activities and environmental degradation. The pedagogical approach will emphasize inquiry-based learning, where students actively engage in discussions and problem-solving activities. This not only enhances their understanding but also empowers them to advocate for cleaner environments in their communities. ### Homework Students are assigned to write a short essay on how they can contribute to reducing pollution at home or in their community. ### References NERDC Basic Science Curriculum Document; Environmental Protection Agency resources; Local community environmental initiatives websites.

Resources

Charts on types of pollution, videos showing pollution effects, worksheets for group activities

