

SAMPLE LESSON PLAN ON PROBLEM SOLVING METHODS OF TEACHING

Name of the teacher _____

Date _____

Name of the School _____

Duration of the period :2x40'

Subject _____

Topic of the lesson : causes of water pollution

Grade 7 (seven)

Objectives : By the end of the lesson, the pupils will be able to:

1. Identify and describe factors contributing to water pollution
2. Propose appropriate alternatives/ solutions to protect pollution of water sources
3. Identify community projects that help to protect fresh water resources
4. Identify the skills needed to participate in community problem solving methods

Teacher's Activities	Teaching - learning materials	Students' activity
<p>Step 1 Introduction Communicating objectives and introducing the lesson Arranging the students in a group of 4/5. Asking the following questions to discuss in group</p> <ul style="list-style-type: none"> • What are the fresh water sources available in our local area? • What are some common substances that are found around your houses that could cause the pollution of our fresh water supply? • What are the problems that we encounter if we drink chemically polluted water? <p>-giving feedback and showing them video clips and posters that show human activities that create water pollution and their consequences</p> <p>Step 2</p> <p>-Distributing the work sheet of the scenario on pollution of water</p> <p>Giving scenarios on pollution of water for group activity. And assisting the students by circulating to each group.</p> <p>-inviting the students to present their findings to the class.</p> <p>Step 3 Giving correcting feedback</p>	<p>- Video that shows pollution of water by chemicals.</p>	<p>-the students discuss on the questions given in a group of 4/5.</p> <p>Report or reflect back their consolidated report .</p> <p>Watch the video clipping carefully</p> <p>-selecting group leader and secretary. -discussing on the scenario and suggesting possible solutions for the problem. They will store their notes in group Each group will create posters showing either how to prevent pollution of fresh water or how to conserve fresh water and prepare action plans (develop a community awareness program) - the group leader present the groups findings to the class.</p> <p>-take corrections</p>

Scenario

5 years ago, the water which flowed from mountain x could be drunk safely. Now, the people who drink the water sick with stomach aches and other water born *diseases*. Because the farmers near this mountain have started to use fertilizers to increase their crops yields and apply pesticides to protect their crops from pests. the number of people or residents that are living near the water sources also increases from time to time. people living near the water sources discharge waste materials to this water source and the residues of the chemicals are washed away to the water source by run off during the rainy time from these farm lands and contaminate the water that flows from this mountain. Suggest a solution that positively affects the farmers and the peoples which drink the water.

Understanding the Problem

What do we want to accomplish?

What are the constraints?

What do we know about this problem?	What do we need to learn to solve this problem?

What are possible solutions	pros	cons

Chosen Solution

Create posters showing how to prevent pollution of fresh water or how to conserve fresh water on x mountain and prepare action plans