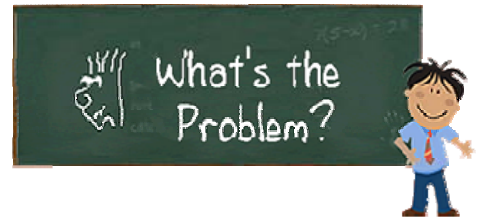


Teacher Instructions:



Problem Scenario: “*Time for a Swim!*”

The Main Problem:

A family moves into a new house with a large backyard. As the summer comes, they are considering placing a pool in the yard. What are the key issues that need to be considered, and would using the area for something other than a pool be a better idea?

Your students will be viewing this problem from an **integrated** perspective.



A Backyard Pool - Yea or Nay?

Students will review the pros and cons of having a pool, as well as different pool options, and other ideas for using vacant land.

Step ①

**Review
Stimulus
Items**

Stimulus Item #1 — “Pros/Cons of Having a Pool” (list)

Stimulus Item #2— “In-Ground vs. Above Ground Pool” (blog)

Stimulus Item #3— “Ideas for Using Vacant Land” (tips)

***Students should take notes as they review the Stimulus Items*

Step ②

**Classroom
Discussion**

Lead a **class discussion** about issues related to the topic. You are being provided a sheet to help you guide the classroom discussion.

Extended Responses: Have students answer the following questions. Remind students to use information from the Stimulus Items to support their response.

Step ③

**Student
Response**

- 1. What are the main factors that will determine whether or not to place a pool in your backyard?**
- 2. Why, or why not, is placing a pool in your backyard better than the other options for which the area can be used?**

****students should have access to their notes as they enter their answers*

****students may also have access to the Stimulus Items as they enter their answers*

EXTENDED PRODUCT (Optional): Divide your students into groups. Each group must act as several siblings who are preparing to make the “**Perfect Pitch**” to their parents to place a pool in their backyard (or perhaps use the area for another purpose). This is a short presentation that they will give to convince their parents to take action. Students must remember that the best way to convince their parents will be to cite reasons why it is good for the parents (convenience, recreation, exercise, increased value of the home, etc.), and not only reasons why it is something that the children want.

Step ④

Analysis

Rubrics to grade student entries have been provided, and all questions have been mapped to the content standards.