

C&I Lesson Plan Template

Course/Unit/AKS

Activating Strategy

Water Scarcity activity.

1. Have students seated in groups.
2. Provide each group of students with 5 sticky notes or notecards to designate categories.
3. Give each group 4 solo cups. Each solo cup will be placed on top of each sticky note category.
4. Pour out different amounts of water into 5 cups.
5. Give each group a cup of water.
6. Ask the students to discuss within their groups how they will allocate the water for each category.
7. Ask the students to be ready to explain how they made their decisions.

Give students some time to discuss, decide and to change their minds.

After about 5 minutes ask the students to share their experiences and the decisions they had to make.

Ask further questions: What concessions were made? What daily activity had to go unfulfilled? What solution did they think of? Could they live like this? Have they had an experience like this? Where might something like this occur?

Architecture of a Mini-Lesson

AKS:

7SS.C.32a

explain how water pollution and unequal access to water impacts irrigation, trade, industry, and drinking water **by identifying and writing about issues and/or problems and alternative solutions**

QPTS:

Background knowledge, Previous knowledge, Questioning, Analysis, Drawing Conclusions

Learning Target:

Explain how unequal access to clean water can impact daily life in African nations.

Materials

[Slides for lesson](#)

Solo Cups
Gallon of Water

Videos

[Pollution chokes lives and livelihoods](#)

[Water Walk](#)

Article :[Water Scarcity in Africa](#) Article

Background/Prior Knowledge: You will recall when we studied the Middle East region, how unequal distribution of water caused many problems for a number of countries. In the middle east, many of the countries were water scarce.

Teaching Point/Purpose: Instruct the students that today they will be learning about access to and availability of freshwater in Africa. The students will also learn how access to clean water has had an impact on the development of African nations.

Teaching:

The teacher will ***think aloud***: I know that water is an essential need and a commodity that is in short supply in many places in the world. I wonder how access to clean drinking water affects other aspects of daily life in Africa?

C&I Lesson Plan Template

Course/Unit/AKS

Tell the students that today they will be presented with an article that will provide information and they will learn how to analyze an article to find answers to the EQ

Model for students how to analyze an article. (Slide 6)

Students will need their notebooks, highlighter, pencil, markers and or color pencils.

Active Engagement:

1. Share the AKS, learning target and Vocabulary with students
2. Present the pre assessment questions. Students may respond to the questions in their notebooks
3. Invite students to learn by sharing facts about water pollution in Africa. (Slide 7)
4. Show the video about how some people in Nigeria make a living in a polluted city. (slide 8)
5. Allow students to think and discuss what they saw with peers using the discussion questions.
6. Have the students read the first page of the article and analyze as modeled. Provide guiding questions for reading. (Slide 10)
7. Still in their groups, and as they move to reading the second page of the article
 - Have the students annotate: "I wonder... The most surprising thing.... One new thing I discovered...."
8. Share information about unequal access to water (Slide 12)
9. Show the video Water Walk. (Slide 13)
10. Share information about Solution to the water crisis. (slide 14)
11. Prompt students to discuss other possible solutions in their groups (slide 15)
12. Together in their groups, have the students create two informative posters. One showing how water impacts irrigation, trade, industry, personal hygiene, education etc. and the other showing solutions to water scarcity for personal hygiene, agriculture, economy, and industry.
13. Have the students choose a spokesperson who will present their posters to the class.
14. After the presentations, the students take the post assessment. (Slide 16)
15. Check student's answer and address misconceptions
16. Students will then write their summary (slide 17)

Link:

This lesson should remind students of the water crisis that they learned about in southwest Asia. SWA water crisis, Students will realize that the fresh water sources available on earth are not evenly distributed and are in danger of disappearing. The students will also make the connection that the availability of clean water is an indicator of the standard of living and economic development of that country.

Differentiated Small Groups

Gifted Students can research the environmental issues in Nigeria, Kenya, South Africa.

Esol and Sp.Ed Students

Summarizing

To summarize the lesson the students will answer the following questions

1. Explain How a lack of clean drinking water affects irrigation, trade, industry and daily life in Africa.
2. Identify one cause and effect of this issue.
3. Describe one possible affordable solution.

C&I Lesson Plan Template
Course/Unit/AKS