

Lesson Plan

School/Institution: PG Adult School

Level: Intermediate

Theme: Conserving Water

Lesson Length: 1 ½ hours

Objectives

Content Objectives (C)	Language Objectives (L)
<p>Students will be able to:</p> <ul style="list-style-type: none"> • (1) Read 10 conserving water tips and share them orally • (2) Identify the actions they should take to conserve water 	<p>Students will be able to:</p> <ul style="list-style-type: none"> • (1) Identify water conservation vocabulary such as <i>tap, basin, shower head, low-flow, semi-arid, drought, conserve, conservation, flush, save, environmentally friendly</i> • (2) Use “how much” and “how” to ask questions

Materials

- 10 tips for conserving water H.O.
- Gap fill activity H.O.

Procedures

Pre-Activities:	Time Frame	Objective(s) Targeted
<p>Pair.Share. Ss discuss the following questions with a partner</p> <p>a) How much water do you drink a day?</p> <p>b) Do you think drinking tap water in Monterey is safe? Why?</p> <p>c) Do you use bottled water? Why or why not?</p>	10 minutes	Activating Schema
<p>Ss discuss the following question as a class:</p> <p>a) Why is it important to conserve water in California?</p>	5 minutes	
During Activities:	Time Frame	Objective(s) Targeted
<p>T distributes the reading. Discuss vocabulary from the reading worksheet <i>Top 10 tips for saving water.</i></p> <p>Ss form teams of 4 and number heads 1-4. Tell students they will be responsible for remembering and teaching their teammates 2 or 3 tips from the reading</p> <p>T assigns reading tasks as follows:</p>	45 minutes	(C1, L1)

<p>a) All #s read the 1st paragraph b) Person #1 read tips 1, 5, 9 c) Person #2 read tips 2, 6, 10 d) Person #3 read tips 3, 7 e) Person #4 read tips 4, 8</p> <p>T tells students they can take notes (not copying the entire tip though), but not on the reading handout. Set a time limit and have students read silently</p> <p>When the time is up, collect all of the readings and have the Ss continue with the following directions (below). Give a time limit to complete the task</p> <p>a) On a piece of paper, write the numbers 1-10, skipping spaces in between b) Starting with #1 in each team, teach your teammates about the 10 conservation tips.</p> <p>While students execute the activity, T monitors how teams work together. Check Ss spoken accuracy. Call time, and have random teams come to the board and write each tip</p>		
<p>Post Activities:</p>	<p>Time Frame</p>	<p>Objective(s) Targeted</p>
<p>Pair students, assign A and B roles, and tell them they will share information on water conservation.</p> <p>T models the activity with a volunteer, emphasizing question formation– How? How much?</p> <p>Set a time limit, distribute the information gap worksheet, and have pairs begin. Circulate and monitor.</p> <p>As students execute the activity, put the gap-fill activity up on the board. Call time and then have Ss write their answers on the board.</p> <ul style="list-style-type: none"> • Discuss students’ opinions on water conservation based on the gap fill H.O. 	<p>25 minutes</p>	<p>(C2, L2)</p>
<p>HW: Have students write about how they use and conserve water. Clarify that they will turn in their work the following week.</p>		

Assessment

- T asks ICQs and CCQs
- T circulates during pair work
- Class discussions
- Homework assignment

Fold back these instructions and duplicate a class set and distribute one to each team member for the Presentation activity.

"CONSERVING WATER"

THE TOP TEN TIPS FOR SAVING WATER

(from the Metropolitan Water District of Southern California)

Wise water use is a way of life in Southern California, not just in times of drought. We live in a semi-arid desert region and that means we have to do things to stretch our water supply. The average Southern California apartment uses 256 gallons of water daily. The average Southern California home uses even more, 384 gallons. With the population always growing, we can't depend on a growing water supply. Here are the top ten ways that will save the most water.

1. Water your lawn only when it needs it. Step on your grass. If it springs back when you lift your foot it doesn't need water. So set your sprinklers for more days in between watering. This saves 750 to 1,500 gallons a month. Better yet, during times of drought, water with a hose.
2. Fix leaky faucets and plumbing joints. This will save 20 gallons a day for every leak stopped.
3. Don't run the hose while washing your car. Use a bucket of soapy water for washing and then rinse the car quickly with the hose. Each time you wash your car this way, you will have saved 150 gallons of water. For a one-car family that's 600 gallons per month.
4. Install water-saving shower heads or flow restrictors. You can also install a low-flow toilet. This will conserve at least 60,000 gallons of water a year.
5. Run only full loads in the washing machine and dishwasher. Doing this will save 300 to 800 gallons of water a month.
6. Take shorter showers. Shortening your showers by even one or two minutes can save up to 700 gallons of water per month.
7. Use a broom instead of a hose to clean driveways and sidewalks. This saves more than 150 gallons of water each time you work outside. If you like to clean your walkways once a week, you'll be saving more than 600 gallons a month.
8. Don't use your toilet as an ashtray or wastebasket. Flushing trash down the toilet hasn't just been bad for water conservation, it has hurt the environment. Those unnecessary flushes can cost up to 600 gallons a month!
9. Capture tap water. While waiting for the hot water to come down the pipes, catch the flow in a watering can or bucket to use later on house plants, your garden, or cleaning. This simple idea will save 200 to 300 gallons of water a month.
10. Adjust your sprinklers so they don't water driveways, sidewalks, or the gutter. The water belongs on the lawn or garden, so keep it there. This will save at least 500 gallons a month.

"CONSERVING WATER"

INFORMATION GAP ACTIVITY

A

- Ask your partner the necessary questions to discover the information you need to complete your chart.
- Use questions such as: *How can water be conserved when brushing your teeth? How can water be conserved when taking a shower? How many gallons are used when you brush with the tap running? etc.*

WHERE WATER IS USED:	HOW IT IS USUALLY USED:	HOW IT CAN BE CONSERVED:	NUMBER OF GALLONS SAVED PER USE:
When brushing your teeth	Brush with the tap running-10 gal.	Wet the brush, turn off tap, brush, turn on tap briefly to rinse- 1/2 gal or less	?
When taking a shower	?	Use a low-flow restrictor shower head-15 gal. OR Wet down, turn off tap, soap up, turn on tap briefly to rinse-off -4 gal.	15-26 gallons
When shaving	Shave with the tap running-20 gal.	?	
When using the washing machine	?	Wash clothes on short cycle, minimal water level-25 gal.	15 gallons



B

- Ask your partner the necessary questions to discover the information you need to complete your chart.
- Use questions such as: *How can water be conserved when brushing your teeth? How can water be conserved when taking a shower? How many gallons are used when you brush with the tap running? etc.*

WHERE WATER IS USED:	HOW IT IS USUALLY USED:	HOW IT CAN BE CONSERVED:	NUMBER OF GALLONS SAVED PER USE:
When brushing your teeth	?	?	9.5 gallons
When taking a shower	Use a regular shower head-30 gal.	Use a low-flow restrictor shower head-15 gal. OR Wet down, turn off tap, soap up, turn on tap briefly to rinse-off -4 gal.	?
When shaving	?	Fill basin-1 gal.	19 gallons
When using the washing machine	Wash clothes on full cycle, top water level-40 gal.	?	15 gallons