

## EDUCATOR SUBMITTED LESSON PLAN

### WATER

#### SUBJECT AND GRADE LEVEL

Water; 4th Grade

#### AUTHOR(S)

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#### ENDURING UNDERSTANDING

Israelis are aware of the water shortage in Israel and have developed various ways on a personal level to conserve water.

#### ESSENTIAL QUESTION(S):

- Is there enough water for all of our needs?
- Is the water an unlimited resource?
- How to respond to the shortage of water in Israel?
- What to do in order to conserve water?

#### OBJECTIVES:

Students will:

- Realize that water is an important resource and when there is a shortage of water, it must be conserved and used wisely.
- Learn about and experience various ways Israelis conserve water.
- Develop a teaching tool (poster, video, skit) that will teach Olim Hadashim, new immigrants from US, the importance of conserving water.

#### ASSESSMENT:

Create a teaching tool based on the information learned

#### MATERIALS, SUPPLIES AND RESOURCES

- Supplies for simulation activity: 3 water bottles, 3 plants, 3 stained cloths
- An exhausted, thirsty visitor
- Projector, laptop, screen, PowerPoint presentation
- Props/Costumes for skits
- Art materials to create posters

#### ACTIVITIES AND PROCEDURES

Activity: Simulation – Shortage of water. Not enough for all purposes. 15 minutes:

- In 3 groups – students will get a bottle of water and we be asked to do one or more of the following tasks:
  - water a plant
  - wash hands in a bowl
  - clean a stain
  - wash a cup

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#### ACTIVITIES AND PROCEDURES (CONTINUED)

- make instant Jell-O
- make a cup of tea
- When finished, a visitor enters the class. S/he looks very exhausted and sweaty and asks for some water.
- Discussion: is the amount of water left in the groups' bottles sufficient? Had we known someone would ask for water, would we have used the water differently?

How do Israelis conserve water? 20 minutes:

- Present various ideas in which individuals in Israel conserve water. Use PowerPoint presentation showing two pictures for each example: 1. When there is an abundance of water and 2. When there is a shortage of water
  - Flushing toilets – personal family story and demonstration (?) soda bottles filled with water in the toilet tank-flushing with much less amount.
  - Double-handed toilet flushing
  - Brushing teeth-close faucet when actual brushing
  - Washing dishes-close faucet when using soap
  - Taking short shower
  - Bucket in shower-to water plants
  - Water garden at night
  - Washing car with a bucket and not with a hose
  - Doing laundry only when machine is full

Implementation and Assessment-25 Minutes

- Students work in 3 groups on the final activity below
- The Task: you were invited by *Nefesh B'Nefesh* to join a flight of *Olim Hadashim* (new immigrants) to Israel. On the El Al plane they go through a training seminar that prepares them for life in Israel. Your part is to cover the issue of the water shortage in Israel and teach the new *Olim* some ways Israelis conserve water.
- Groups share their product.
- Summary and conclusion.