

Professor Miriam Abety
Lesson Plan for: Service Learning Water Project at IAC-MDC

You Need to Know About H2O

Students Involved: IDS 1150

Lesson Plan: You Need to Know about H2O Service Learning Project

Learning Outcomes Involved:

- LO 1** Communicate effectively using listening, speaking, reading, and writing skills.
- LO 3** Solve problems using critical and creative thinking and scientific reasoning.
- LO 4** Formulate strategies to locate, evaluate, and apply information.
- LO 6** Create strategies that can be used to fulfill personal, civic, and social responsibilities.
- LO 10** Describe how natural systems function and recognize the impact of humans on the environment.

Goal of Service Learning: To engage IAC MDC students in exploring, developing, and presenting information on a campaign to make our campus more water sustainable.

Students will be placed in one of four groups:

1. **Exploring:** Students in this group will be responsible for:
 - a. Research on City of Miami tap water to include
 - i. Where water comes from
 - ii. How water is processed
 - iii. What chemicals are placed to treat water
 - iv. What physical effects these chemicals have on us
 - v. How MDC water fountains are maintained
 1. Possibility of having filtered water stations at IAC
 2. Exploring what these costs/savings would be to college
 3. Explanatory message on why it would be positive for our campus to have filtered water
 - b. Students will then prepare a 10-15 minute video based on their research findings
2. **Developing:** Students will be responsible for:
 - a. Brainstorming, and creating an add campaign to include
 - i. Medium to get information across to students
 - ii. Strategies to find out their water footprint
 - iii. Marketing campaign to reach as many students as possible

- iv. Preparing a five-minute video letting students know what they can do to reduce our water footprint
 - b. Speaking with student organization leaders as well as with Student Life Director, Service Learning Coordinator, Green Team and Director of Administrative Services to explore sharing the dissemination of information to the campus community.
- 3. **Presenting**: Students will be responsible for:
 - a. Seeking permission from various faculty and administrators to give a ten-minute presentation in their classroom, departmental meetings, and other activities on our water campaign
 - b. Seek permission to present information to Green Team
 - c. Seek permission to present information to Honors College
 - d. Seek permission to present on College's television programming
 - e. Scheduling and giving presentations at various dates/times within the Campus.
- 4. **Water Bottle Campaign**: Students will be responsible for:
 - a. Students will designate one week in the semester for the campaign "You Need to Know H₂O" and have the videos from the other groups displayed, as well as other materials to disseminate information. This may be for either two-hour or four-hour blocks.
 - b. Seek Student Life, Green Team or other MDC organization to donate BPA-free water bottles to distribute
 - c. Develop an on-line water resource page to include:
 - i. Free FLOW (For the Love of Water) video website
 - ii. Water information/resource links
 - iii. Student video links
 - d. Develop an on-line water pledge for IAC Campus community
 - e. Give MDC-IAC community the opportunity to sign up online for the water pledge (maybe we can have two laptops in order to make it paper-free)