



**HUMANITIES AND
THE SUNSHINE STATE**

TEACHING FLORIDA'S CLIMATES
In partnership with the Florida Humanities Council

JUNE 19-23, 2017 GAINESVILLE, FLORIDA

WATER CRISIS AROUND THE WORLD ACTION PLAN

Teacher(s):

La-Shanda West

Grade(s):

9-12

Subject(s):

AP Human Geography, Law Studies, Environmental Law, Social Studies

Title of Lesson:

Water Crisis Around The World

Learning Objectives:

Students will be able to

- Become Stewards advocating water conservation efforts
- Examine why there is a global water crisis
- Understand how water scarcity impacts industrialized and developing nations
- Draft a resolution to take action in resolving the global water crisis

Standards Addressed:

LAFS.910.SL.1.1: Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 9–10 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.

LAFS.910.W.4.10: Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of tasks, purposes, and audiences.

CCSS.ELA-LITERACY.W.9-10.2.B: Develop the topic with well-chosen, relevant, and sufficient facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic.

CCSS.ELA-LITERACY.W.9-10.2.F: Provide a concluding statement or section that follows from and supports the information or explanation presented (e.g., articulating implications or the significance of the topic).

Lesson Outline:

Terms:

Common Good
Distributive justice
Environmental Stewards
Scarcity
Water reservoir

Hook:

Students are to discuss their own water use.

Opening videos:

The Coming Global Water Crisis - (Documentary, HD)

<https://www.youtube.com/watch?v=n1gsyhuHGgc> [6:21] The video discusses the uses of water human and industrial and water scarcity.

Water, The World Water Crisis <https://www.youtube.com/watch?v=iRGZOCaD9sQ> [4:02]

The video depicts the water crisis effects on less developed countries, women and children

Main Assignment

1. In Focus: Water Wars in Kenya and Ethiopia <https://www.youtube.com/watch?v=-1y-5KPquQ8> [5:56] Discussion on how water is scarce in Africa.

Students are to research one industrialized and one less developed countries water use. They have to write to discuss what needs are to be met, what areas of water are deficient (meaning limited access)

Developed/industrialized countries: United States, China

Less Developed countries: Ethiopia, Nicaragua

2. Debate the problem – Who is obligated to give access to water to least developed countries and how does this issue effect water scarcity?
3. Write a United Nations Resolution.

Systems thinking connection (learning habits and/or tools used):

In collaborative groups using large chart paper, students will complete Figure 1.1 water system thinking.

Learning Strategies:

- Independent learning
- Collaborative group
- Oral and written skills

Science Concept(s):

- Environmental issues
- Water crisis

Humanities Concept(s):

- Common good
- Distributive justice
- Environmental Steward

Student Assessment Strategies:

- Debate – how countries will deal with distributive justice to drinking water while dealing with water scarcity

Benefit to my students

- Water is a resource that is needed for survival. Learning about the global water crisis empowers students to resolve the issue that will affect their lives.

Resources and Materials (supplies needed for activities):

- Internet
- Chart paper
- Markers

Bibliography:

Brown University. (2008). Water Wars Lesson Plan. Retrieved from

http://www.choices.edu/resources/twtn_waterwars_lesson_1.php

Pulitzer Center. (2008). In Focus: Water Wars. Retrieved from

<http://pulitzercenter.org/reporting/focus-water-wars>

The University of Arizona. (2014). Use Thinking to Ponder Water Issues and Water Education.

Retrieved from <https://arizonawet.arizona.edu/content/use-systems-thinking-ponder-water-issues-and-water-education>

Waters Foundation. (2017). Habits of a System Thinker. Retrieved from

<http://watersfoundation.org/systems-thinking/habits-of-a-systems-thinker/>

Figure 1.1. System Thinking Illustration

Big Picture	Change Over Time	System's Structure
Interdependencies	Connections	Changes Perspectives
Assumptions	Habits of a Systems Thinker	Considers Issue Fully
Mental Models	Leverage	Consequences
Accumulations	Time Delays	Successive Approximation