



Humanities and the Sunshine State

What Sustains Us?

Florida Ecosystems in an Era of Rapid Change

University of Florida 20-24 June, 2016

ACTION PLAN TEMPLATE

Teacher(s): Mark Gaslo da

Grade(s): 4

Subject(s): Lang. Arts & Social Studies

Title of Lesson: "Not Enough Drinking Water"

Learning Objectives:

Students will understand that Florida, though seemingly water-rich, will have a shortage of drinking water in the future. Students will brain-storm for solutions.

Standards Addressed:

L. Arts & Science & Social Studies

- cause/effect
- current events/issues

Lesson Outline:

- Begin with SWFWMD interview regarding issue
- View map showing low & critical water areas in FL by 2030
- Read and discuss additional resources
- Students will present ideas on what can be done to help or solve the shortage issue

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

- Will create a systems diagram showing the basic relationships in the drinking water system

Learning Strategies:

Varied: Indep. reading, listening to interview, group discussions, creating diagram independently

Science Concept(s):

1. Shortage/surplus and how solved (67% landscape irrigation) ^{aver, 158 gal./day}
2. Land & water (H₂O cycle & human interaction)
3. Ecosystems

Humanities Concept(s):

1. Change - causes, processes, & consequences
2. Time, place, space
3. Systems

Student Assessment Strategies:

- Quality of systems diagram
- Quality of solutions

Benefit to my students:

Students will understand how they can be responsible citizens by understanding a Florida problem and ways they can help.

Resources and Materials (supplies needed for activities):

- SWFWMD interview
- map handout
- 3 additional articles from a variety of sources