



HUMANITIES AND THE SUNSHINE STATE

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

JUNE 15-29, 2018 UNIVERSITY OF FLORIDA

ACTION PLAN TEMPLATE

Teacher(s): Wayne Douchkoff

Grade(s): nontraditional- environmental education

Subject(s): Ecology

Title of Lesson: What do you mean, 'This water ain't safe to swim in?'

Learning Objectives:

Gain understanding of how we view water quality differently.

Be able to identify common water quality attributes

Standards Addressed (if applicable):

Lesson Outline:

Group participation in discussing what we think of when we hear about water quality.

Define common water quality attributes.

Participants use gauges and take measurements

Record and compare results with Sarasota Bay Estuary Program's data.

Discuss results

Discuss causal relationships, a.k.a. Systems Thinking

Learning Strategies:

Discussion of topic

Hands on measurement of attributes

Science Concept(s):

Water chemistry

Humanities Concept(s):

Human impacts on water quality

Technique(s)/Resource(s) Incorporated from Teaching Florida's Climates Workshop:

Systems Thinking

Student Assessment Strategies:

Pre and post test

Survey of perceptions of water quality 2 weeks later

Benefit to my students:

Better understanding of human impact on water quality

Resources and Materials (supplies needed for activities):

Dissolved Oxygen Gauge

pH gauge

Secchi disk

Salinity gauge

Laminated data sheets

Underwater viewer



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"TAKING IT BACK TO THE CLASSROOM"

We know that it's not always possible to develop and implement a brand new lesson plan in a busy curriculum. How do you envision incorporating our experiences in your classroom teaching?

Idea 1

Learning Goals/Standards

Idea 2

Learning Goals/Standards

Idea 3

Learning Goals/Standards

Idea 4

Learning Goals/Standards

Idea 5

Learning Goals/Standards

Idea 6

Learning Goals/Standards

What additional resources do you need in order to act on these ideas?