Teacher(s): Denise Mendoza
Grade(s): 4th Grade
Subject(s): Science / Social Studies / Language Arts

Title of Lesson:
"Springs, Then and Now Where has the Water Gone?"

Learning Objectives:
The students will read two articles related to the Florida Aquifer and use C.E.E. to present evidence as an essay with 70% accuracy.

Standards Addressed:
SC.4.N.1.1 - Investigate and generate explanations about the Natural World.
SC.4.L.17.4 - Recognize ways plants and animals (humans) impact the environment.

Lesson Outline:
5-Days (60 mins)
Day 1 - Review the Water Cycle and introduce Florida's Springs.
   (emphasize Florida Aquifer)
Day 2 - Create System Diagram for better understanding of Florida's Water Cycle
Day 3 - Selected Readings "Fragile Springs" Research online using Digital Newspapers
Day 4-5 - The students will write an Essay on the Spring. Comparing and Contrasting the condition of the Spring (Then & Now) using Claim, Evidence and Reason.
Systems thinking connection (learning habits and/or tools used):

- System Diagram of "Where is the Water?"
- Create a system diagram of the Water Cycle including the Florida Aquifer.

Learning Strategies:
- System Diagram - Florida’s Aquifer & the Water Cycle
- C.E.R.
- annotating - during research
- Oral History

Science Concept(s):
- Water Cycle
- Conservation

Humanities Concept(s):
- Social Conscience
- Community Involvement
- Oral History

Student Assessment Strategies:
- System Diagram - "Where is the Water?"
- Writing - "Then and Now Florida’s Aquifer"
- H.L. - Oral Interview

Benefit to my students:
This lesson will provide my students with the opportunity to develop moral conscience in regard to our water supply and Florida’s Natural Springs.

Resources and Materials (supplies needed for activities):
- Fragile Springs
- NIE - Miami Herald online
- Oral Interviews

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