**Time Line**

*Grade Level:* Intermediate/Secondary

*Time:* One to two weeks (longer if a more in-depth study is expected)

*Concept:* Water Conservation Issues in Florida

*Generalization:* Conservation is so much a part of our lives in the 21st century. How has the state of Florida been involved in conserving our water supply?

*Objectives:* Students will investigate the history of water conservation issues and relate them to the status of water.

*Materials/Resources:*
- paper and pencils/pens
- poster board
- markers
- chart paper
- overhead transparencies
- vis-à-vis markers
- computer with presentation software
- props for dramatic presentations

*Procedures:*

**Initiating Activity:**
1. Brainstorm ways in which we, as individuals, conserve water and ways our community conserves water. Teacher may need to start with a discussion highlighting what conservation is.
2. Create a KWL chart with students and keep posted throughout the project time. Newspaper articles may be shared with students or students may bring in current articles they find (http://www.newspaperlinks.com/).
3. Invite a speaker to come in from the local water department, water management district (see list under references) or check with your school district’s speaker list.

**Strategies:**
1. Depending on the age and abilities of the students, either the teacher or the students will choose a date from the time line and investigate the event.
2. From the following list, the teacher will select items to include in the student's research presentation. A report will be presented to the class that could include: a map of the area being researched, where the information was obtained, actual dates of the event, who made decisions that caused the event to happen or if a natural event, who made decisions after the event that would have affected the environment or people who lived there, personal interview with someone involved in the event, how is this event evident today, has this event caused other events to occur.
**Culminating Activity:** Students may present the material with technology, visuals, a speaking format or dramatically.

**Evaluation:** Teachers may create a rubric for students to refer to, of elements they want to see included in a presentation. The rubric should be appropriate for the student’s style of presentation.

**National Geography Standards:**
Standard 1: Students know and understand how to use maps and other geographic representations, tools, and technologies to acquire, process, and report information from a spatial perspective.
Standard 4: Students know and understand the physical and human characteristics of places.
Standard 14: Students know and understand how human actions modify the physical environment.
Standard 16: Students know and understand the changes that occur in the meaning, use, distribution and importance of resources.

**Sunshine State Standards:**
SS.A.1.1.1: Compares everyday life in different places and times and understands that people, places, and things change over time.
SS.A.1.2.1: Understands how individuals, ideas, decisions, and events can influence history.
SS.A.1.2.2: Uses a variety of methods and sources to understand history (such as interpreting diaries, letters, newspapers; and reading maps and graphs) and knows the difference between primary and secondary sources.
SS.D.1.2.2: Understands that scarcity of resources requires choices on many levels, from the individual to societal.
SS.C.2.3.6: Understands the importance of participation in community service, civic improvement, and political activities.
SS.B.2.4.7: Understands the concept of sustainable development.
SS.B.2.4.5: Knows how humans overcome “limits to growth” imposed by physical systems.
SS.B.2.4.1: Understands how social, cultural, economic, and environmental factors contribute to the dynamic nature of regions.

**References:**
local Water Management Districts
history of local communities through local libraries
there are many websites that offer information (be cautious about current and accurate information).

**Websites:**
Southwest Florida Water Management District
2379 Broad Street
Brooksville, Fl. 34609-6899
352/796-7211
http://www.swfwmd.state.fl.us
Northwest Florida Water Management District
81 Water Management Drive
Havana, FL 32333
850/539-5999
http://sun6.dms.state.fl.us/nfwmd

Suwannee River Water Management District
9225 CR 49
Live Oak, Fl. 32060
904/362/1001
http://www.srwmd.state.fl.us

St. Johns River Water Management District
P.O. Box 1429
Palatka, Fl. 32178-1429
904/329-4500
http://sjr.state.fl.us

South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Fl. 33416-4680
561/686-8800
http://www.sfwmd.gov/