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North Campus English

ENC Lesson Plans inspired by CTD Workshop *Toward a **Water Ethic** for Florida and the U.S.*

For each lesson plan, the following information must first be provided to the class:

- Explanation of what is now known as the Water Industrial Complex—Interest groups, utilities, agriculture and the politics of water
- Discussion of Florida as the second wettest state, but of its swampland being drained too efficiently due to over pumping and phosphate mining. Over drafting of groundwater and surface water (explanation of the difference).
- Discussion of watering lawns and freshwater used for sewage systems
- Discussion of community-wide judgment/watchdog systems of abuse of watering lawns/gardens on off days

Essay

Have students spend two weeks observing how much time family members spend in the shower or running faucets, observing how often they use dishwashers and washing machines (and if they are at full capacity), and also watering their lawns. (Students will be taught about the rainwater tanks currently used as a solution elsewhere.) After the two weeks, write an essay about ways they could conserve the amount of water used and present the essay to the class.

Research Paper Projects

- History of the Tampa water desalination plant and its carbon emissions
- The history of the Biscayne Aquifer and comparison to its current condition
- Luna Leopold and his protection of the Everglades during planned airport construction
- Eco-research done by historian Cynthia Barnett
- Causes of Florida sinkholes
- Now-dry Florida springs and their former splendor
- Ways to reverse water consumption in urban areas
- Greenmiamidade.gov's plan to make Flagler Street pedestrian friendly and car-free
- Other programs greenmiamidade.gov offers as incentives to builders and homeowners
- The Green Tourism movement and its impact on South Florida hotels' water consumption
- Miami-Dade methane sequestration to reduce electric bills