

JUNE 19-23, 2017 GAINESVILLE, FLORIDA

ACTION PLAN TEMPLATE

Teacher(s): Amanda Watson

Grade(s): 6-8

Subject(s): Science

Title of Lesson: Florida's Water Stewardship and Awareness Project

Learning Objectives:

Students will be able to apply their knowledge of Florida's water and bring awareness to conservation and the threats it faces.

Standards Addressed:

- SC.6.E.7.2 - Investigate and apply how the cycling of water between the atmosphere and hydrosphere has an effect on weather patterns and climate.
- SC.6.E.7.9 - Describe how the composition and structure of the atmosphere protects life and insulates the planet.
- SC.68.CS-CC.1.3 - Design, develop, and publish a collaborative digital product using a variety of digital tools and media-rich resources that demonstrate and communicate concepts to inform, persuade, and/or entertain.
- SC.68.CS-CS.2.2 - Solve real-life issues in science and engineering (i.e., generalize a solution to open-ended problems) using computational thinking skills.
- SC.68.CS-PC.4.6 - Generate text and non-text citations using digital citation tool.
- SC.7.E.6.6 - Identify the impact that humans have had on Earth, such as deforestation, urbanization, desertification, erosion, air and water quality, changing the flow of water.

Lesson Outline:

After teaching the hydrologic cycle, aquifers, and Florida's spring shed. Have students work on a cumulative stewardship and awareness project as individuals or in small groups.

Go over the idea that the project is intended for students create their own stewardship action plan (written plan with poster), [storybook](#) or [digital media](#) to promote education, awareness, and sustainable actions.

Pass out/ digitally share and go over rubric and project expectations with students. Go over project templates.

Allow student 2-3 class periods to work on project in class or assign as a week long homework assignment.

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

TBD

Learning Strategies:

- Small group

- Technology
- Multi- media presentations
- Individualized differentiation opportunities

Science Concept(s):

- Human and environmental interactions

Humanities Concept(s):

- Civic responsibility and engagement

Student Assessment Strategies:

- Quality of project
- Rigor of sources

Benefit to my students:

Students will understand and be able to think about, create, and present an environmental stewardship project promoting education, citizenship, and human impact/ responsibility.

Resources and Materials (supplies needed for activities):

- Computer for each student
- Access to internet
- Google drive