

Citizen Science

Game Overview

Summary

 Citizen Science is a computer adventure game in which the player is a young adult who becomes concerned about the health of a local lake threatened by eutrophication.
 Based at Lake Mendota in Madison, WI, the player's goal is to restore the lake.
 By focusing on the ecological needs of Lake Mendota as well as the surrounding community, the game is able to bring together real-world issues and scientific practices within a localized context.

Target Audience

Age Level: 9+

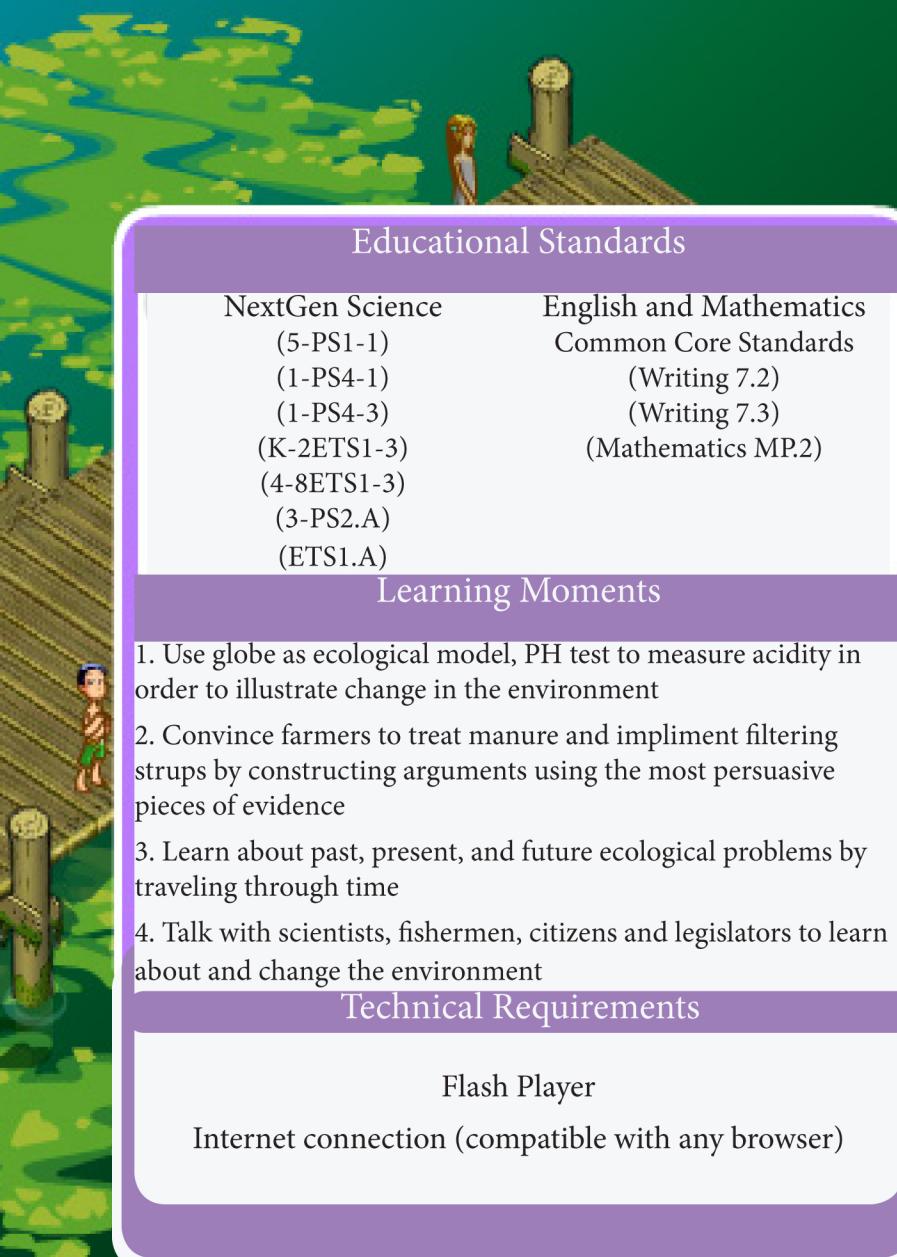
Subjects: Science and Technology, Language Arts

Curriculum:
<http://bit.ly/ZvZ0UV>

Email:
outreach@learning-gamesnetwork.org

Learning Goals

1. Students will be able to participate in effective arguments utilizing evidence to support points, in an effort to change/adjust beliefs and cause different behavior choices
2. Students will be able to use keywords such as "because" and "although" in arguments, which can help build a case in convincing another person of something.
3. Students will be able to successfully interact with models (which can show us how different variables have an impact on a system).
4. Students will gain an understanding of lake health and support. They will be able to recall resources and groups of people who are able to affect the health of a lake
5. Students will be able to understand the implications of planting rain gardens and lobbying for government support



Educational Standards

NextGen Science
(5-PS1-1)
(1-PS4-1)
(1-PS4-3)
(K-2ETS1-3)
(4-8ETS1-3)
(3-PS2.A)
(ETS1.A)

English and Mathematics Common Core Standards
(Writing 7.2)
(Writing 7.3)
(Mathematics MP.2)

Learning Moments

1. Use globe as ecological model, PH test to measure acidity in order to illustrate change in the environment
2. Convince farmers to treat manure and implement filtering struts by constructing arguments using the most persuasive pieces of evidence
3. Learn about past, present, and future ecological problems by traveling through time
4. Talk with scientists, fishermen, citizens and legislators to learn about and change the environment

Technical Requirements

Flash Player

Internet connection (compatible with any browser)