Teacher(s):
Lisa McDonald

Grade(s):
7

Subject(s):
Science

Title of Lesson:
Our Endangered Springs

Learning Objectives:
Students will develop an understanding about Florida’s springs and what has been happening with the springs over recent time.

Standards Addressed:
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:
To be completed following an introduction to springs in the classroom, including the use of the Aquatic Adventures coloring book

Students will work in small groups (no more than 3 or 4 in a group).
Each group will be assigned a specific spring or collection of springs to read about using the Restoration Action Plans:

Silver Springs
Lower Suwannee River Springs
Kings Bay/ Cristal River Springs
Wekiva River Springs
Wakulla Springs
Santa Fe River Springs
Rainbow Springs
Ichetucknee Springs

Students will read through the Restoration Action Plans and create a poster highlighting the information about their spring.

Points to include on the poster are:
Location
Comparison of flow rates in the past and now

- over -
Uses of their spring
Restoration plans for their spring

Posters will be hung up in the room. Students will complete a gallery walk. They will have sticky notes to leave positive comments on each poster.

Whole group discussion about the major "a ha's" from their reading and the gallery walk.

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

Change over time – what they observe has been happening to the springs over time
Connections – How the springs are connected and how the actions taking place at the springs are connected

**Learning Strategies:**

- Read and synthesize information
- Restate the information in poster format
- Cooperative learning
- Gallery walk

**Science Concept(s):**

- Water
- Springs

**Humanities Concept(s):**

- Reading and synthesizing what has been read
- Recording information
- History of their springs

**Student Assessment Strategies:**

- Following guidelines to complete poster
- Evaluating and commenting on other’s work

**Benefit to my students:**

- Knowledge of conditions in the springs
- Ability to become better stewards of water

**Resources and Materials (supplies needed for activities):**

- Copies of restoration action plans:
  - Silver Springs
  - Lower Suwannee River Springs
  - Kings Bay/ Cristal River Springs
  - Wekiva River Springs
  - Wakulla Springs
  - Santa Fe River Springs
  - Rainbow Springs
  - Ichetucknee Springs

- Poster board
- Color pencils and markers
- Sticky notes

- over -