



Technology-Connected Lesson Plan

Title:	Saving the Wetlands
Grade Levels:	Grades 9 th - 12 th
Curriculum Areas:	🖥 Science
Measurable Objectives:	<ul style="list-style-type: none"> 🖥 TSW design a wetlands conservation poster 🖥 TSW collect facts about the wetlands using online resources
LA Content Standards:	<ul style="list-style-type: none"> 🖥 SCI.9.PS.40} Demonstrate energy transformation and conservation in everyday actions 🖥 SCI.11-12.SE.14} Resources and Resource Management Analyze data to determine the effect of preservation practices compared to conservation practices for a sample species
Technology Standards:	<ul style="list-style-type: none"> 🖥 Technology Research Tools (<i>Linking and Generating Knowledge Foundation Skill</i>) Students use appropriate technology to locate, evaluate, and collect information from a variety of sources 🖥 Technology Productivity Tools (<i>Resource Access and Utilization Foundation Skill</i>) Students use productivity tools to work collaboratively in developing technology-rich, authentic, student-centered products.
Technology Connection:	<ul style="list-style-type: none"> 🖥 Computer w/Internet Access 🖥 Microsoft PowerPoint 🖥 What is a wetland? http://www.sam.usace.army.mil/PA/regulatory/Wetland.htm 🖥 Levees vs. Wetlands http://www.aapg.org/explorer/2007/01jan/subsidence.cfm 🖥 Louisiana's Vanishing Wetlands http://dnr.louisiana.gov/crm/background/ 🖥 Saving Louisiana? The Battle for Coastal Wetlands http://www.upress.state.ms.us/books/644 🖥 Wetlands Loss Issues http://www.aapg.org/explorer/2000/04apr/wetlands.cfm

Procedures:

- ☞ Have students think about the saying, "A picture is worth a thousand words." Allow students to give their interpretation of the saying. Ask students to explain how pictures send messages. When might pictures be more effective than words?
Show the looping PowerPoint of the "Louisiana Wetlands"
- ☞ Encourage students to share what they know about the wetlands in our area and why they are so precious.
- ☞ Use the following site, "What is a Wetland" to discuss the definition of the wetlands as defined by the US Army Corps of Engineers (Corps).
<http://www.sam.usace.army.mil/PA/regulatory/Wetland.htm>
- ☞ Explain that the LA wetlands, which support many plants and animals, are receding, and that many groups such as the Louisiana Department of Natural Resources are trying to save them. One way is by raising public awareness of wetlands through posters.
- ☞ Students will use the following web sites to learn more about saving wetlands. Explain that they will gather facts, save pictures from the Internet, and then create their own conservation poster using Microsoft PowerPoint.
Levees vs. Wetlands
<http://www.aapg.org/explorer/2007/01jan/subsidence.cfm>
Louisiana's Vanishing Wetlands
<http://dnr.louisiana.gov/crm/background/>
Saving Louisiana? The Battle for Coastal Wetlands
<http://www.upress.state.ms.us/books/644>
Wetlands Loss Issues
<http://www.aapg.org/explorer/2000/04apr/wetlands.cfm>
- ☞ Students will use WordArt, clip art, digital pictures, and information from their research to complete their poster on "Saving the Wetlands."
Remind students about the saying "A picture is worth a thousands words."
- ☞ Allow students to share their posters with the class. It would also be great if the students could display their posters throughout the school.
Suggestion: If possible, send the posters to the Louisiana Department of Natural Resources, Office of Coastal Restoration and Management.

	<p>🖨️ Finally, let students share one new fact that they've learned about the Louisiana wetlands.</p>
Materials:	<p>🖨️ Pencil & paper</p>
Assessment:	<p>🖨️ Completed Poster meeting requirements</p>
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School:	<p>🖨️ C.M. Fagan</p>