

**JEFFERSON PARISH 4-H
PRESENTS:
COASTAL STUDIES OF SOUTHEAST LOUISIANA**



Coastal Studies of Southeast Louisiana is an educational program from the Jefferson Parish 4-H Program for youth in 7th-12th grades.

Six hands-on lessons focus on the geologic history, ecology, and restoration of the coast of southeast Louisiana. The curriculum is being piloted for the second year by the Jefferson Parish 4-H Program.

Middle schools, high schools, homeschool groups, after school programs, and community clubs are encouraged to participate in this exciting opportunity

Lessons

1. Geology of Southeast Louisiana
2. Using Remote Sensing to Assess Coastal Land Loss
3. Water Quality—Dissolved Oxygen, Louisiana’s Dead Zone
4. Water Quality—Salinity and Turbidity—Change, Cause and Effect
5. Water Quality—Aquatic Macroinvertebrates as Pollution Indicators
6. Current Issues—Restoration Plans, Hurricanes, etc.

LSSS—Louisiana

Student Standards for Science Met

7-MS-LS2-4, 5/ 8-MS-ESS3-2, 3/ HS-ESS2-2/ HS-ESS3-1, 3, 4 ,6 / HS-EVS1-1, 2, 3/
HS-EVS2-1, 2/ HS-ESS2-2/ HS-ESS3-2, 3, 4/ HS-LS2-7/ HS-LS2-7

Program Delivery Modes

Coastal Studies of Southeast Louisiana lessons can be implemented in in the following ways:

- 4-H Agent lead lessons on site
 - 4-H Agent leads lessons via live video conference
 - Trained 4-H Leader lead lessons with all materials and training provided
- *Annual 4-H member dues may be required

Program Logic Model

Inputs:

- Research based curriculum
- Program materials and equipment

- 4-H staff time and skills

Outputs:

- Volunteer training provided by LSU AgCenter
- 4-H member meetings with hands on activities and experiments
- Student reflections and program evaluation
- Recognition of 4-H members, 4-H leaders and schools

Outcomes:

- Youth experience hands on learning which reinforces classroom subject areas
- Participants make informed decisions about research
- Students understand the coastal system in Southeastern Louisiana
- Youth correlate concepts to academic and personal life

Student Reflections

“What is the most important thing you have you learned in this wetlands program?”

- “I learned about coastal erosion and how to preserve Louisiana wetlands and natural habitats”.
- “How our levees in Louisiana were made and what they mean for us”.
- “The importance of this state and it’s problems right now”

“What have you learned that has given you the ability to be a better scientist or engineer?”

- “Communication skills and teamwork”.
- “... some tests don’t need expensive things (equipment)”.
- “...how to measure salt content and oxygen levels in the water”.
- “...to double check resources and experiments before conducting research”.
- “We use GIS and GPS images to compare the changes in the wetlands”.
- “... false-color imagery can be used to (calculate) land loss in certain areas”.

REGISTER TODAY

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Visit: JeffParish4H.org / Like us on Facebook: Jefferson Parish 4H

If you require special accommodations due to a disability in order to participate, please notify the 4-H office @504-736-6519 at least 48 hrs. prior to the event.

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