



Lesson: _____ Problem of Erosion _____ 4th Grade

Overview: To examine the drivers behind Louisiana’s coastal erosion.

Louisiana Science Standard:

4-ESS2-1

Key Terms:

- Erosion
- Hurricanes
- Terracing

Objectives:

Students will examine the effects of wind and water on the rate of erosion. Students will analyze the impacts of hurricanes on Louisiana’s coastal wetlands.

Activity:

- Losing the Shore
- Wetlands in a Pan- Terracing

Additional Resources:

- Pre Test
- Supply List
- Post Test

Hope for the Coast: Terraces help to reduce erosion of wetlands due to waves, enhance vegetation, and provide habitat for many different species.



Problems of Erosion Supply List

Activity 1: Losing the Shore

Supply	Number Needed	Note
Baking tray	1/ student	Students could also use any other flat pan with raised sides.
2 cup measuring cup	4	Students will share the measuring cup to fill up their cups.
Sand	About 2 cups	Students will need a scoop to move sand to the tray.
Sponge (Normal kitchen size)	1/student	Students will need to cut the sponge.
Small strainer/colander	1/student	
Fresh water		Students will need roughly 2 cups of water.
Paper Towels		For activity cleanup.



Activity 2: Wetlands in a Pan- Terracing

Supply	Number Needed	Note
Fresh water		Students will need roughly 2 cups of water.
Small loaf pan	1/student	
Clay		Students will need roughly 1 cup of clay.
Paper Towels		For activity cleanup.