

**Galveston Island
Middle School
Teacher Page**

Objectives:

- Explain how waves are formed
- Explain the influence of the moon on waves
- Describe how Galveston Island formed over time. Include the soil make-up and how the island changes over time.

Procedures:

- Use the wave activity, found under the activity tab, to help the students recall how waves are formed. Include an explanation on how the moon affects the waves.
- Use the website (Geologic Wonders of Texas--Galveston Island: <http://www.beg.utexas.edu/UTopia/geowonders.html>) to complete the worksheet.
- Introduce tides by using the tides activity located under the activity tab.
- Using a fieldtrip or the internet, have the students explain the way erosion shapes the island. Have the students work in groups and find some way to present the information to the class – multimedia, skit, song, etc. Use the rubric (below) during the presentations.

Rubric:

Presentations:

4	3	2	1
Students know the information presented. All students in the group participate. The presentation is well-thought out and complete.	Students present the information. All students participate. The presentation is complete, though may not be organized.	Students present some information. Most students participate. The presentation is not organized and may be vague.	Students present some information. Some students participate. There will be holes in the information and may be unorganized.
A (90-100)	B (80-89)	C/D (70-79)	F (below 70)