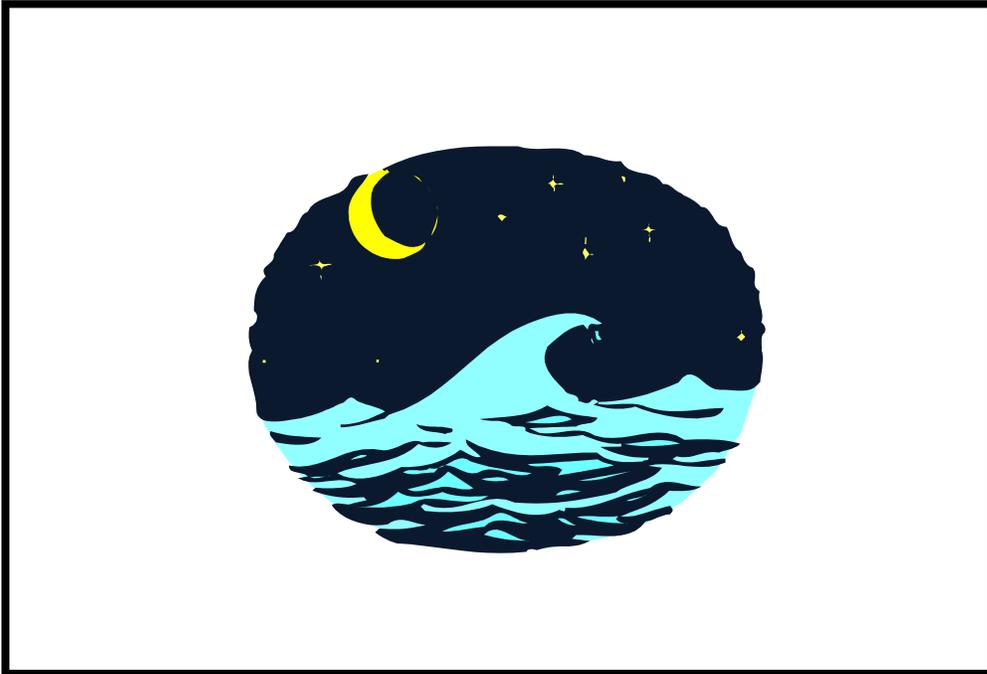


Evening Beach Exploration

Driftwood Education Center



Class Description:

*Humans are most comfortable during the day, but join us as we take you out of your comfort zone, and explore our nearby trails at night! Students will use all five senses to examine what it would be like to have to survive at night. Several nocturnal activities will get participants rethinking the abilities that creatures must have in order to thrive in dark places. **This is a seasonal activity, and may be adjusted for daylight savings time.***

Appropriate for all grade levels

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Evening Beach Exploration

- Adapted Night Hike on Beach -

Table of contents and outline:

I. Introduction, overview, and assessment (10 min.)

II. Evening Exploration Activities (1 hr. 15 min.)

1. Students may have a chance to go in water or walk along beach

Concepts 1-3, Outcomes 1-3 :

Activities that may be completed on the beach include.

1. Night Drawing-Use sense of sight
2. World's Brightest Light-Playing tricks on your eyes.
3. Pass an Object-Using sense of touch
4. Smelly Jars-Using sense of smell
5. Lifesaver Fireworks-triboluminescence.

III. Conclusions and Wrap-up

1. Have students look at their drawings and/or the color of their crayon.
2. Have a brief discussion about human and nocturnal animal adaptations.

South Carolina Performance Standards met

4th Grade: Life Science IB: Organisms have senses that help them internal and external cues.

5th Grade: Inquiry IA1: Use the senses to gather information about objects or events such as size, shape, color, texture, sound, position, and change.

7th Grade: Inquiry IE1: Review and summarize data to show cause-effect relationships in experiments.

8th Grade: Inquiry IE: Think critically and logically to make relationships between evidence and explanations.

Concepts:

Focal points of this class are:

1. Animals have adaptations which help them be successful in their environment.
2. Humans learn about the world through their senses.
3. Awareness is the key to getting over fears, such as a fear of the dark.

Outcomes:

Upon completion of this class, students will be able to:

1. List a few adaptations animals have to help them survive in their night environment.
2. Compare human senses to nocturnal animal senses.

Georgia Performance Standards met

4th Grade:

1. S4CS8.a Students will understand important features of the process of scientific inquiry.

2. S4I2.a. Identify external features of organisms that allow them to survive or reproduce better than organisms that do not have these features.

5th Grade:

1. S5CS8.a. Students will understand important features of the process of scientific inquiry.

7th Grade:

1. S7CS5.a. Observe and explain how parts can be related to other parts in systems such as predator/prey relationships in a community/ecosystem.

8th Grade:

1. S8CS9.a. Students will understand important features of the process of scientific inquiry.

Florida Performance Standards met

4th and 5th Grade: SC.D.1.2. The student recognizes that processes in the lithosphere, atmosphere, hydrosphere, and biosphere interact to shape the Earth.