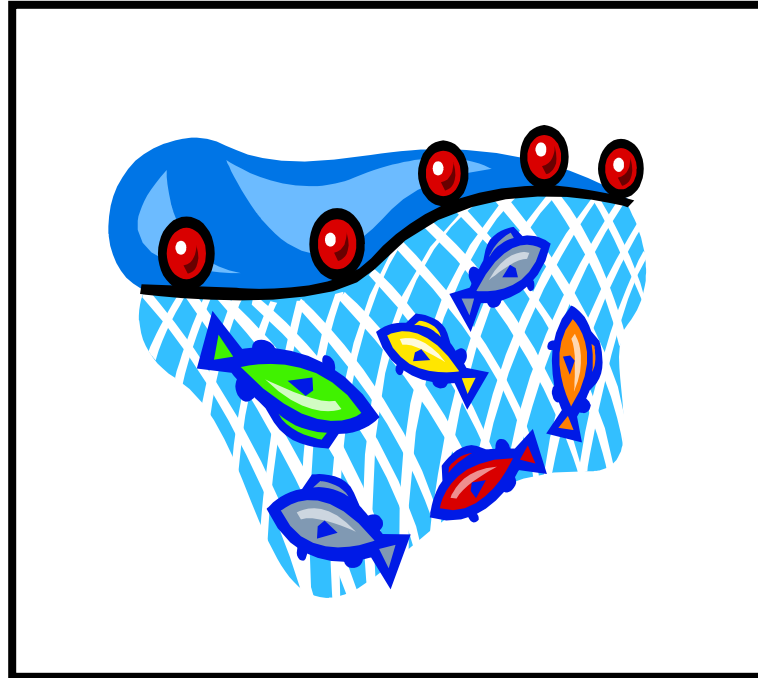


# Beach Seining

Driftwood Education Center



**Class Description:**

*Students will learn how to use a 30-foot seine net to sample the ocean's rich abundance of life. Several fish species, crabs, and shrimp are commonly caught, as well as squid, jellyfish, and the elusive sea cucumber. We discuss adaptations and behaviors of creatures that we catch. Be prepared to get wet and have fun!*

**Appropriate for all grade levels including High School Students.**

**NOTE: As of 2006-2007, you must take at least 3 hours of consecutive Beach classes.**

**There will be no 1.5 hour classes offered at the beach.**

**Please review and pick beach classes that Driftwood offers.**

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## Beach Seining

### Table of contents and outline:

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

1. Hypothesize about organisms students may catch in their nets.

#### II. Seining (1 hr. 10 min)

##### Concepts 1-4, Outcomes 1-3

1. Why people seine.
2. Explanation of how to seine.
3. Go seining.
4. Discuss Organisms caught.

#### III. Discussion of Adaptations of Organisms Caught

##### Concepts 2-4, Outcomes 2, 3

1. Begin discussing general adaptations and work into more detailed.

#### IV. Conclusion and Wrap Up (10 min.)

1. Have a general discussion about what organisms were caught today, review the class.

#### V. Clean Up

1. Collect all equipment. Load into van/bus.
2. Rinse out nets and buckets.
3. Acclimation of any animals brought back

### Concepts:

Focal points of this class are:

1. Seining can be an important tool to scientists and fishermen.
2. Classifying and identifying is a key step to understanding organisms.
3. Adaptations help organisms survive and be successful in their environment.
4. The more diverse an ecosystem the easier it is for the ecosystem to carry on after major change.

### Outcomes:

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

1. Explain what a seine net is and how to use one.
2. Classify organisms into Kingdoms and determine whether they are vertebrates or invertebrates.
3. List adaptations and identify ocean dwelling organisms.

### Georgia Performance Standards met

#### 5<sup>th</sup> Grade:

1. **S5CS1.c.** Offer reasons for finding and consider reason suggested by others.
2. **S5CS3.d.** Identify and practice accepted safety procedures in manipulating science materials and equipment.

#### 6<sup>th</sup> Grade:

1. **S6CS9.a.** Scientific investigations are conducted for different reasons.

#### 7<sup>th</sup> Grade:

1. **S7CS1.b.** Understand that hypotheses can be valuable, even if they turn out not to be completely accurate.

#### 8<sup>th</sup> Grade:

1. **S8CS9.a.** Investigations are conducted for different reasons, which include exploring new phenomena, confirming previous results, testing how well a theory predicts, and comparing different theories.