



## **Biomes Marine Biology Center In-Class Program Teacher Information**

Biomes has been conducting in-class programs since 1989. These programs involve interactive and hands-on live animal demonstrations for pre-k through grade 12.

All grade levels (Pre-K - Grade 12), 45 minutes  
\$150 1st class, \$75 per additional class (30 student limit per class)

\$25 per day travel fee to Massachusetts and Connecticut up to 40 miles from Biomes  
\$50 per day travel fee to Massachusetts and Connecticut 40-60 miles from Biomes  
More than 60 miles away - call for pricing

\$25 idle hour fee

Mileage calculations will be made using Google Maps.

### **Program Information**

Our staff member will arrive approximately 15-20 minutes early to bring in supplies and set-up the animals. Please let your office staff know to expect us to expedite the check-in process. We ask that our staff be allowed to pull up to the building as close to an entrance as possible to unload the animals. We transport our animals in large, closed buckets and will bring our own rolling cart.

During the presentation, the animals will be displayed one at a time in our portable trays. We usually set up on the floor of the room so that all students are able to view the demonstration. We bring towels with us to protect the floor and clean up any drops of water.

Students should be arranged in two semi-circles; one row seated on the floor and the other row sitting in chairs directly behind them first row. Please have this set up before we arrive so that the program can start on-time.

If more than one session is to be presented at your school, we require that we set up in one room and the students come to us. This is done for the health of the animals.

We will bring an invoice with us. You may have a check ready that day or simply mail it in after the program.

# Introduction to Marine Animals Program Outline

Material will vary slightly with grade level.

- A. What are marine animals?
  - 1. Vertebrates and invertebrates
  
- B. The spiny skinned animals
  - 1. How animals are related
  - 2. Sea star, brittle star, sea urchin
    - a. Protection, feeding and locomotion
    - b. Regeneration
  
- C. The shellfish (Mollusks)
  - 1. Bivalves; Clam
  - 2. Univalves; whelk
    - a. Protection, feeding and locomotion
    - b. Habitats
  
- D. The crustaceans
  - 1. Crabs: Spider crab, horseshoe crab
    - a. Protection, feeding and locomotion
    - b. The exoskeleton
  
- E. Fish
  - 1. Minnow and pufferfish
    - a. Protection, feeding and locomotion
    - b. Camouflage