

- 1) **Organization Name:** National Aquarium- Education
- 2) **County:** Baltimore City
- 3) **What Age Groups do you Provide Programs for?** Pre-K K-12

4) **What types of programs do you offer:**

- a) Classroom Programs
- b) Whole school programs at the school
- c) Summer Programs
- d) Field Trips

5) **In what Subject Areas do you offer programs**

- a) Habitat Ecology
- b) Plant Ecology
- c) Watershed
- d) Animal Ecology

6) **Please give a summary of the programs you offer:**

Onsite Programs Animal Interviews

These programs are designed for lower grade levels. Young children observe, learn and interact with an amazing live animal.

Aquatic Critters

Horseshoe crab, hermit crab, whelk—oh my! Touch and learn about the remarkable horseshoe crab that appears on Atlantic beaches each spring. What do a hermit crab and a whelk have in common? They live in the same shell, but at different times. Examine a live whelk and hermit crab, as well as artifacts from these animals. *Curriculum 1A, 3A*

Amazing Amphibians

Jumping, hopping and gliding—frogs and toads are fantastic animals! Learn about and view these amazing amphibians. *Curriculum 1A, 3A, 3C*

Sharks! Auditorium Presentation

Dispel common misconceptions as you discover the characteristics that have helped sharks survive for millions of years. *Curriculum 3A, 3D, 3E, 3F, 6B*

Coral Reefs Auditorium Presentation

“Dive” into the watery world of these underwater ecosystems. The program begins with an introduction of this unique habitat that only composes 0.2 percent of our oceans. From there, journey to the Atlantic Coral Reef exhibit and complete a worksheet as you observe reef animals. *Curriculum 1A, 3A, 6B*

Adaptations

Students become detectives looking for clues on the “Creature Lab Coat,” as they deduce how adaptations help animals survive. Observe, compare and study adaptations of live animals.  
Curriculum 1A, 3A, 3C

#### Aquarium Careers Auditorium Presentation

From dolphin trainers to exhibit designers, aquarists to educators, the National Aquarium offers many career opportunities for everyone. Learn about different career paths, their requirements, and how to get started. This program connects to the Maryland Career Development Framework.

#### Life in the Tropical Rain Forest

Discover the importance of this unique habitat, threats to its survival and how to influence its future. Investigate plant and animal adaptations for survival in the South American rain forest. Get up-close with living animals, rainforest products and artifacts. Curriculum 1A, 3A, 3D, 3E, 3F, 6A, 6B

Australian Adventure Discover the diverse habitats and unique animals of Australia, including those represented in Animal Planet Australia: Wild Extremes. Curriculum 1A, 1B, 2C, 3A, 3D, 3F

#### Trash in a Marsh

Marshes are critical habitats that are being negatively impacted by humans. In this program, Students investigate the types and quantity of trash found at a marsh adjacent to Fort McHenry National Monument and Historic Shrine in Baltimore, Maryland. Students will then use the data to determine where this trash came from and how they can take action to prevent further trash from reaching the marsh. *Curriculum 1D*

#### Chesapeake Bay Explorations

Oysters are indicators of the Chesapeake Bay’s health. Test water samples, measure oysters and draw conclusions about the state of the Bay. Curriculum 1A, 1C, 2C, 2E, 3A, 3E, 3F, 6A, 6B

Squid Dissection Lab Investigate an unusual mollusk through discussion and dissection.

Discover how form and function of the squid’s basic anatomy help this efficient predator survive in the ocean. Curriculum 1A, 3A, 3D

Watershed Moments What does baseball have to do with the Chesapeake Bay? And just who is “Fertilizer Fred” and what is he doing that is bad for the Bay? Find out in this engaging presentation that focuses on the Chesapeake Bay watershed and its fascinating animals.

Curriculum 1A, 3A, 3F, 6A, 6B

#### Behind-the-Scenes Tour

Designed for advanced high school biology groups, the tour emphasizes water chemistry, animal care, exhibit maintenance and aquarium careers. Walk through back-up areas to experience new sights, sounds and smells! Maryland High School Core Learning Goal, Biology 3.6.2: Investigate a biological issue (societal roles of Aquaria and Zoos) and defend a position.

#### Phylum Lab

Did you know that 98 percent of all animals are classified into eight main categories called phyla? Investigate the characteristics of each phyla through live animals and artifacts. Maryland High School Core Learning Goal, Biology 3.4.2: Estimate degrees of relatedness among organisms or species.

#### Outreach Programs

##### Slither, Slide, Creep and Crawl: Ocean Animal Exploration

A box of props comes alive as students investigate how sea animals move, eat and protect themselves. Curriculum 1A, 3A

##### Two Legs, Four Legs, Six Legs, More!

Animals use their legs in many ways. Some crawl, while others hop. Students will mimic animal locomotion and practice counting skills, using puppets and living animal interactions. Curriculum 1A, 3A

#### Adaptations

Students become detectives looking for clues on the "Creature Lab Coat," as they deduce how adaptations help animals survive. Curriculum 1A, 3A, 3C

**Bountiful Biomes** Investigate biomes all over the world, ranging from the distant rain forests and deserts to the forests found just outside the schoolyard. Discover how animals use adaptations to survive in these very different places. Curriculum 1A, 1B, 3A, 3F, 6B

**Life in the Tropical Rain Forest** Using costumes and puppets, students explore how plants, animals and indigenous people depend on each other to survive in the South American rain forest. Get up-close with living animals, rainforest products and artifacts. Curriculum 1A, 3A, 3D, 3E, 3F, 6A, 6B

#### Marine Mammals

What mammals live in the ocean? Find out what it takes to survive in the ocean as you and your class discover this unusual and diverse group of mammals. Curriculum 3A, 3D, 6B

#### Chesapeake Bay Explorations

Oysters are indicators of the Chesapeake Bay's health. Test water samples, measure oysters and draw conclusions about the state of the Bay. Curriculum 1A, 1C, 2E, 3A, 3E, 3F, 6A, 6B

#### Squid Dissection Lab

Investigate an unusual mollusk through discussion and dissection. Discover how form and function of the squid's basic anatomy help this efficient predator survive in the ocean. Curriculum 1A, 3A, 3D

#### Oyster Reef

Explore the ecology of an oyster reef through this interactive theater program. Immerse yourself in this habitat as you learn about the Chesapeake Bay, oyster reef characteristics, food chains and the oyster life cycle. Curriculum 3A, 3F, 6A, 6B

Aquarium Careers From dolphin trainers to exhibit designers, aquarists to educators, the National Aquarium offers many career opportunities. Learn about different career paths, their requirements and how to get started. This program connects to the Maryland Career Development Framework.

#### Ocean Theme Day

##### Shark Presentation

Sharks are not the fearsome eating machines portrayed in movies. Explore these unique creatures and their amazing survival adaptations, while dispelling myths about these "monsters."

Curriculum 1A, 3A, 3D, 3E, 3F, 6B

##### Marine Mammals

What mammals live in the ocean? Find out what it takes to survive in the ocean as you and your class discovers this unusual and diverse group of mammals. Curriculum 1A, 3A, 3D, 3F, 6B

##### Discovery Lab

Students explore the ocean world by examining shark jaws, a whale vertebra, baleen, shells, living animals and much more. Curriculum 1A, 3A, 3D, 3F, 6B

#### Chesapeake Bay Theme Day

##### Marshland Mystery Presentation

What animals can you find in the marsh, and what is happening to them? Investigate the animals of a marsh, how they live and the challenges they face. Curriculum 1A, 3A, 3E, 3F, 6A, 6B

##### Waterman Presentation

Explore the Chesapeake Bay through the experiences of a waterman. Costumes, artifacts and personal stories help students understand how the loss of habitat affects both animals and people. Curriculum 1A, 3A, 3E, 3F, 6A, 6B

Discovery Lab Examine the Chesapeake Bay through artifacts, basic science experiments and living animals. Curriculum 1A, 3A, 3E, 3F, 6A, 6B

## Rain Forest Theme Day

### Rain Forest Presentations

Investigate plant and animal interactions and adaptations for survival in the South American rain forest. Discover the importance of this unique habitat, threats to its survival and how to influence its future. Curriculum 1A, 3A, 3D, 3E, 3F, 6A, 6B

Discovery Lab Students have up-close and personal experiences with living animals, rainforest products, artifacts from indigenous people and more. Curriculum 1A, 3A, 3D, 3E, 3F, 6A, 6B

## AquaPartners

AquaPartners is an interactive, cross-curricular Chesapeake Bay program for fourth and fifth grade students. The program features in-school large group programs, hands-on lab investigations, field experiences in local ecosystems, and teacher professional development

## **7) What type of professional Development do you offer?**

- a) Project WILD - Saturday, February 25, 2012
- b) Project WET- Saturday, November 12, 2011
- c) Project Learning Tree - Saturday, April 21, 2012
- d) Why Do We Explore? – November 19, 2011