

# Bay Lab Programs

## Bay Lab Programs

**Solve the Mystery of Exotic Aquatics** (*Grades 4 – 12*)  
Ponder the mystery of how “exotic” species can invade and thrive in the Chesapeake Bay. Do experiments, mapping, and microscope work to explore the relationship between human activities and ecosystem dynamics.

**Science SOLs:** 4.1, 4.5, 4.8, 5.1, 5.5-6, 6.1, 6.7, 6.9, LS.4-5, LS.7-12, ES.3, ES.11, BIO.7, BIO.9

**History SOLs:** WG.1-2

### The Secret Garden: A Look at Oyster Reefs

(*Grades 4 – 7*)

Dissect oysters, examine plankton, and identify fish and other oyster reef inhabitants as you explore life cycles, food webs, and resource management in the Chesapeake Bay.

**Science SOLs:** 4.1, 4.5, 4.8, 5.1, 5.5-6, 6.1, 6.7, 6.9, LS.4-5, LS.7-12 **History SOLs:** VS.2, VS.9

### The Science of Sands and Beaches

(*Grades 4 - 9*)

Discover the nature of sand, how beaches form, and how plants and animals can live in this dynamic environment through a series of hands-on activities in the lab and on the beach.

**Science SOLs:** 4.1, 4.6, 4.8, 5.1, 5.6-7, 6.1, 6.3, 6.5, 6.8-9, ES.1, ES.3, ES.7-8, ES.11, ES.13

### A Bayside Sampler

(*Grades 4 – 12*)

Sample what inhabits the Chesapeake Bay as you seine for fish and invertebrates, tow for plankton, and explore the strand line for shells. This program emphasizes identification and classification skills, and people’s role in conserving this resource.

- Available September 12 through October 14, 2011 and April 9 through October 12, 2012

**Science SOLs:** 4.1, 4.5, 4.8, 5.1, 5.5-6, 6.1, 6.9, LS.4-5, LS.7, LS.9-10, LS.12, BIO.1, BIO.5, BIO, 9

## Bay Lab Programs

**\$200 per program**

- 2 Hours
- Up to 30 students (1 class) per program
- Available year round (except for A Bayside Sampler)

## Explore the Bay

Bay Lab is Virginia Aquarium’s education center on the Chesapeake Bay at First Landing State Park. Bay Lab programs are hands-on experiences that provide field work on the beach, lab experiences and live animal interactions for students.

## Ready to book your program?

Call Guest Services at 757-385-0300

## More Questions?

Contact our Outreach Specialist at [RRiesbec@virginiaaquarium.com](mailto:RRiesbec@virginiaaquarium.com) or 757-385-0330



VIRGINIA  
**AQUARIUM**  
& MARINE SCIENCE CENTER

# In the Field BOATS



## Cruise the Creek

Uncover the mysteries of the salt marsh during a 45-minute interpretive cruise in Owls Creek. Discuss salt marsh ecology as you watch for herons, osprey, muskrats, and river otters.

**Science SOLs:** 5.6-7, 6.7, 6.9, LS.7, LS.10-12, ES.9, BIO.9

## Dolphin Watching

Observe bottlenose dolphins and their dynamic behaviors during a 90-minute ocean excursion. This program provides your students with close-up observations, discussions of dolphin behavior, and hands-on interaction with artifacts.

**Science SOL's:** 5.5-6, 6.9, LS.4-5, LS.7-12, BIO.5, BIO.9

## Ocean Collections

Discover how local marine animals make a living in this 90-minute exploration of the coastal ocean environment as you assist with the collection of fish, invertebrates, and plankton.

**Science SOLs:** 5.1, 5.5-6, 6.1, 6.7, 6.9, LS.4-5, LS.7, LS.9-12, BIO.1, BIO.5, BIO.9

## Winter Wildlife

Take an unforgettable, two-hour adventure to search for humpback, fin and right whales, along with harbor seals, northern gannets, and more. These magnificent mammals visit our coastal waters in winter, providing a unique opportunity for experiential learning.

**Science SOLs:** 5.5-6, 6.9, LS.4-5, LS.7-12, BIO.5, BIO.9

Boat	Dates	Days	Cost
<b>Creek Cruise</b>	September 6 - October 10, 2011 April 2, 2012 – May 25, 2012 May 26, 2012 – June 15, 2012	Monday - Friday by Special Charter 10am/11am Only	\$200 for a <u>maximum</u> of 45 students & 4 chaperones
<b>Dolphin Watching</b>	September 6 – October 10, 2011 April 1, 2012 – May 25, 2012 May 26, 2012 – June 15, 2012	By Special Charter	\$590 for a <u>maximum</u> of 45 students & 5 chaperones
<b>Ocean Collections</b>	September 9 – November 9, 2011 April 4, 2012 – May 30, 2012	Wednesdays at 8:00, 10:00, 12:30 & 2:30	\$590 for a <u>maximum</u> of 45 students & 5 chaperones
<b>Winter Wildlife</b>	January 3 – March 18, 2012	By Special Charter	\$675 for a <u>maximum</u> of 45 students & 5 chaperones

**More Questions?  
Ready to book your program?**

Call Guest Services at 757-385-0300

**NOTE: Sightings cannot be guaranteed. Contact our boat office to get information on our most recent sightings.**



VIRGINIA  
**AQUARIUM**  
& MARINE SCIENCE CENTER