MISSION: Making restoration of the Elizabeth River a reality.

AWARD WINNING: Students learn by doing aboard the 120’x 32’ steel deck barge designed by the University of Virginia and owned and operated by The Elizabeth River Project. The barge is a unique and powerful living laboratory for students to learn about river science, the Elizabeth River watershed, ecosystem, stewardship and restoration efforts. As America’s Greenest Vessel, her “green” design demonstrates sustainable practices for home and school. Students come aboard thinking globally and leave equipped to make a difference in their community. The Learning Barge’s education program received the 2011 Environmental Excellence Award from SeaWorld Busch Gardens, 2014 Governor’s Gold Award for Sustainability and 2015 VA Env. Excellence Award from Dept. of Conservation and Recreation.

NEW PROGRAM: To foster river stewards and teach resilience, students perform a scientific field investigation to answer, “How has the Elizabeth River changed over time, and what can I do to help?”

To begin, students are divided into small groups and rotate to four learning stations performing hands-on activities. Each Elizabeth River Project educator portrays a blue/green career to get students thinking about possible job opportunities as they grow up. During the program, students will identify plant and animal species, gather and record data, and utilize real field tools like thermometers and water quality equipment.

MORE INFORMATION: Shannon Yerabek, Learning Barge Education Manager, syerabek@elizabethriver.org, (757) 828-4216
PRICE PER STUDENT (Sliding Scale – You choose)
$15-$20 (per student) 1 hour program. Teachers are free, and first 4 chaperones are no charge. Additional chaperones after first 4 are subject to fee. Please inquire about homeschool pricing.

NEW pricing – Please contact Summer Mace, smace@elizabethriver.org to discuss pricing and sliding scale. Financial assistance and Title 1 pricing may be available. We will do our best to work with your budget.

SAFETY
The barge is Coast Guard certified and stays tied to a dock during the entire program. One chaperone or teacher is recommended per 15 students.

IDEAL GROUPS (SUMMER SEASON)
20-40, preK-university (15 student min., 50 max)
Public, private and home schools, youth organizations and scouts

TO SCHEDULE
Fill out a Request Form found at www.elizabethriver.org (Learning Barge Page)

Helpful information to provide when scheduling:
1.) How many students
2.) Grade level of students
3.) Season or month interested in
4.) Name of school and your contact info.

PROGRAM TIMES
Monday – Friday. Closed holidays. Must reschedule if raining or extreme weather.

Typical time slots:
9:30-10:30am or 10:00-11:00am

Seasons include:
Summer: June 10 – July 26

TEACHER RESOURCES
Additional activities are available at www.elizabethriver.org

DOCKING SITE
Grandy Village Learning Center
2971 Kimball Loop Terrace
Norfolk, VA  23504

WHAT TO BRING
Program is entirely OUTSIDE, please make sure students are dressed appropriately. We recommend sunscreen, water bottle, hat, jacket/raincoat, and closed toe shoes.

SNAIL MAIL THE CREW
Students are encouraged to SNAIL MAIL the barge crew by writing a letter and sharing what they will do to support a healthy river. Write: The Learning Barge Crew, The Elizabeth River Project, 4610 Colley Ave., Norfolk, VA 23508

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(757) 828-4216
21st CENTURY SKILLS

Students rotate through four multidiscipline learning stations that:

- are designed to excite youth about their home river;
- offer an opportunity to discover and explore;
- are research-based utilizing real-world restoration projects;
- utilize critical thinking and problem-solving to stimulate senses and spark curiosity;
- foster a generation of stewards empowered to care for the Elizabeth River.

Curriculum addresses Virginia Standards of Learning in science, language arts, math, history and art. Students explore, analyze, map, gather data, graph, identify, predict and compare results. Program begins with a research question and concludes with reflection.

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Students will investigate why the Elizabeth River’s wetlands have changed over time, and why wetlands are important. Students will have the opportunity to hold a small critter who relies on the wetlands for habitat, and discuss how Wetland Scientists help the Elizabeth River. They will then create art using water from the Elizabeth River to celebrate the river’s biodiversity!

**LEARNING STATION SUMMARY**

**Students investigate:** “How has the Elizabeth River changed over time, and what can I do to help?”

**Wetland Scientist**

Value of wetlands, periwinkle snails & art

Students will investigate why the Elizabeth River’s wetlands have changed over time, and why wetlands are important. Students will have the opportunity to hold a small critter who relies on the wetlands for habitat, and discuss how Wetland Scientists help the Elizabeth River. They will then create art using water from the Elizabeth River to celebrate the river’s biodiversity!

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Marine Biologist

Habitats, food web, and animal observation/touching

Students learn how the Elizabeth River’s habitat and ecosystem has changed over time. They discover “what eats what”, and how each animal species in a food web is important. Students will have the opportunity to create their own food web, and get an up-close look at some Elizabeth River critters caught by Learning Barge educators. They will learn the importance of conserving natural habitats, and what Marine Biologists do to help the Elizabeth River.

Environmental Engineer

Watersheds, storm drains, pollution and bacteria

Students discover how there has been an increase in runoff and pollution, and how watersheds work. They will learn how runoff from flooding and rain can pick up pollutants, carry it down storm drains and into the Elizabeth River. They will learn how to use tools to help pick up trash. Students will discover if bacteria is present in the river and how “scooping the poop” helps. The Learning Barge’s Environmental Engineer will teach students what they can do to help.

Water Quality Scientist

Elizabeth River Scorecard, salinity and recognizing trends

Students will learn how the Elizabeth River’s water quality has changed over time by analyzing river scorecards. They will learn the importance of measuring water quality while using real water quality tools to measure salinity. Students will use graphs to interpret data, and learn how Water Quality Scientists help the river.

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Thank you for helping make this program possible!

Dominion Energy
Batten Educational Achievement Fund of Hampton Roads Community Foundation

Bank of America
Chesapeake Bay Restoration Fund Advisory Committee
– Made possible by the Sale of Chesapeake Bay License Plates
Cox Foundation
Department of Conservation & Recreation
Dollar Tree Foundation
Elizabeth River Crossings
Elizabeth River Project
National Endowment for the Arts
Norfolk, Portsmouth, Chesapeake & Virginia Beach Public Schools
Virginia Pilot Association

The Maintenance Advisory Committee’s generous in-kind support keeps our barge floating!


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