

The Elizabeth River Project is excited to offer a year of hands-on GreenSTEM programs for preK-12th grade students where they can perform field investigations on the Learning Barge and at Paradise Creek Nature Park, grow native plants for restoration sites and schoolyards and be recognized as River Star Schools. Programs are multi-disciplinary, complement VA SOLs and provide opportunities for students to engage in actions that help restore the Elizabeth River and prepare our communities

## **The Dominion Energy Learning Barge** **America's Greenest Vessel**

While docked, students perform a GreenSTEM field investigation aboard the award-winning Learning Barge. With live wetlands, solar and wind power, rain cistern and observation pool this innovative liv-



## **Paradise Creek Nature Park** **An urban oasis**

Students perform a field investigation at this 40-acre urban park and bird sanctuary with a restored wetland, forest and wildflower meadows. Students explore this green space surrounded by industry while learn-



## **Wetlands in the Classroom** **Youth nurture and plant native plants**

Over 7000 preK-12th grade students a year nurture native trees, grasses and wildflowers in the classroom and then plant at restoration sites and schoolyards. Supplies are delivered in February, students raise the plants



## **180 River Star Schools**

PreK-12th grade students implement environmental projects as river stewards to help restore the Elizabeth River. Schools are awarded certificates and medallions in the spring for their achievements. Projects in-



## **Classroom Activities** **Princess Elizabeth Visits & More.**

In addition to our place-based opportunities, invite Princess Elizabeth to present original river stories with a table top theatre, maps and artifacts. *(Most appropriate for preK-3)* Online activities are located at [www.elizabethriver.org](http://www.elizabethriver.org) on our Teacher Resource page including water quality data from the park and barge. In addition,

# SCHEDULING A PROGRAM

## Learning Barge & Park

**Program calendar:** Fall 2017 September 25-December 8; Spring 2018: April 9-June 8

**Ideal group size:** Barge: 20-90 students; Park: 20-50 students

**Price:** \$7-9 per student. Sliding scale based on your budget. Teachers and chaperones are free. Assistance may be available for Title 1 schools.

**Safety:** Students will be with a seasonal educator at all times. One school chaperone is recommended per 10 students.

**What to bring:** Sunscreen, water bottle, hat, jacket/raincoat, closed toed shoes that can get dirty, allergy & other medication needs

**Weather:** We will contact you the day before if inclement weather is forecasted.

### To Schedule a Barge & Park Program

**Learning Barge:** Robin Dunbar, Director of Education-757-392-7132 [rdunbar@elizabethriver.org](mailto:rdunbar@elizabethriver.org).  
Location: Grandy Village Learning Center 2971 Kimball Loop, Norfolk, VA 23504

**Paradise Creek Nature Park:** Robin Dunbar, Director of Education-757-392-7132 [rdunbar@elizabethriver.org](mailto:rdunbar@elizabethriver.org).  
Location: 1141 Victory Blvd., Portsmouth, VA 23702

### Wetlands in the Classroom & River Star Schools

Contact: Robin Dunbar, Deputy Director, Education; [rdunbar@elizabethriver.org](mailto:rdunbar@elizabethriver.org); 757-392-7132

## Standards of Learning

### **PRESCHOOL:** *Curriculum reflects Early Blocks of Learning*

**SCIENCE:** **K:** 1, 4, 5, 6, 8, 9,10 **1:** 1, 2, 3, 4, 5, 6, 7, 8 **2:** 1, 4, 5, 6, 7, 8 **3:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11  
**4:** 1, 3, 4, 5, 6, 7, 8 **5:** 1, 4, 5, 6, 7 **LS:** 1, 5, 6, 8, 9, 10, 11 **PS:** 1 **ES:** 1, 2, 3, 6, 8, 10, 11  
**BIO:** 1, 2, 8 **CH:** 1, 5 **PH:** 1, 3

**MATH:** **K:** 6, 8, 10, 13 **1:** 2, 5, 14 **2:** 1, 3, 5, 6, 14 **3:** 1, 3, 4, 13 **4:** 1, 4, 6, 7, 8, 13 **5:** 1, 2, 4, 5

**HISTORY:** **K:** 2, 3, 4, 5, 8, 9 **1:** 1, 4, 5, 7, 8, 10, 11, 12 **2:** 3, 5, 6, 7, 10 **3:** 2, 4, 6, 7, 8

**LANG. ARTS:** **K:** 1,2, 3, 4, 6, 10 **1:** 1, 2, 3, 4, 9, 11,12 **2:** 1, 2, 3, 6, 7, 8, 9,11 **3:** 1, 2, 5, 6 **4:** 1, 2, 3 **5:** 1, 2

**ART:** **K:** 2, 3, 5, 8, 10, 11, 12, 13, 14, 15, 18 **1:** 2, 3, 4, 5, 8, 9,12, 15, 16, 18, 19, 20  
**2:** 4, 5, 6, 9, 10, 13, 14, 18, 22 **3:** 2, 4, 5, 10, 14, 16, 17, 23, 24, 26, 27, 28 **4:** 2, 3, 5, 6, 8, 10, 13,

### Made possible by:

Dominion Energy, NOAA's Environmental Literacy, Hampton Roads Community Foundation, Batten Educational Achievement Fund Hampton Roads Community Foundation, PNC Foundation, National Endowment for the Arts, Dollar Tree Foundation, Bank of America, Colonna's Shipyard, Kiwanis of Norfolk, Landmark Foundation, Luck Companies Foundation; Norfolk, Portsmouth,