



# Fairmount Water Works Interpretive Center Education Programs

## The Wondrous World of Water (PreK-3)

It's never too early to discover the wonders of water, and the essential role it plays in our lives. Your students will enjoy a hands-on experience, and learn about how the diversity and abundance of animals that now call our Schuylkill River home are connected to the tap water we drink.

## Taking Nature's Lead (3-5)

In this field trip experience students learn how nature provides important ecological services for our city. Learn how pervious surfaces and the shape of the land relate to stormwater runoff and water quality in the Schuylkill River. Explore an example of green stormwater infrastructure (GSI), and learn how GSI can capture, store and clean some of the runoff before it reaches the river. Discover freshwater mussels and how they can be nature's own mini water treatment plants!

## We Drink the River (6-12)

Students will discover the history of our city's water supply system and make connections between the natural and urban water cycles. Students will conduct chemical testing on samples of water they collect from the river and view microscopic life from the river under microscopes.

## Mussels in the Field (6-12)

Assist PWD scientists in their research on freshwater mussels. Mussels propagated at the FWW Mussel Hatchery are put in grow-out ponds when they are a couple of months old and about 5 mm. Students will measure and weigh mussels in grow-out baskets at the Discovery Center and assess growth and survivorship rates.

These programs are free to students in the School District of Philadelphia. Suggested \$6-\$10/child donation for groups from outside city limits or from private schools.



Infrastructure



Personal



Global



Stewardship



Resource



Sustainability

### **During or After school Programs for Teens**

Individualized internships, service projects, and mentoring opportunities are available.

### **College/University Programs**

In addition to general tours, we offer enhanced lectures, lab programs and bus tours of green stormwater infrastructure projects to college/university students related to Engineering, Public Health, Environmental Studies, Aquatic Biology and Chemistry and Global Water and Sustainability.

### **Outreach**

Urban watershed programs and workshops for classrooms and community centers, and afterschool programs are available by request. (Possible fee for customized programs.)

### **Class Size**

Up to 60 students from one school can be accommodated, provided that the appropriate number of chaperones is present.

### **Water Department Plant Tours**

Philadelphia Water manages and treats Philadelphia drinking water and wastewater, including the upkeep of more than 6,000 miles of pipes. See what happens behind the scenes at our drinking water and wastewater treatment plants.

### **Summer Programs**

This field trip experience is open to camps, recreation centers, summer school programs, and other youth-related programs from July through mid-August.

### **Teacher Workshops**

Teacher workshops can be customized for a variety of subject areas to align with Common Core and the new STEELS standards.

### **Chaperones**

One adult must accompany and be responsible for every 10 children. Adults will be working with students to complete program activities.



### **Lunch**

In good weather, classes can eat a brown-bag lunch outside. There is no food service or lunchroom at the Fairmount Water Works Interpretive Center.

